

Osmania University

THE CALENDAR FOR 1344-1347 F.





**Osmania University**

**CALENDAR**

**1344-1347 FASLI**

**(Oct. 1935 — Oct. 1938)**

**HYDERABAD DECCAN  
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# THE CALENDAR FOR 1344 F.—1934-1935.

## AZUR 1344 F.—OCTOBER 1934.

Azr.	Oct.	Days.	
1	6	Sat	<i>New Year.</i>
2	7	Sun	<b>Osmania University Established 1st Muharram 1337 H., 1328 F.—1918.</b>
3	8	Mon	
4	9	Tues	
5	10	Wed	
6	11	Thurs	<b>H. E. H. the Nizam's Birthday.</b>
7	12	FRI	
8	13	Sat	
9	14	Sun	
10	15	Mon	
11	16	Tues	} <i>Urus Hazrat Khwaju Muinuddin Chishti. Dasehra.</i>
12	17	Wed	
13	18	Thurs	
14	19	FRI	
15	20	Sat	
16	21	Sun	
17	22	Mon	
18	23	Tues	
19	24	Wed	
20	25	Thurs	
21	26	FRI	<i>Maula Ali Urus.</i>
22	27	Sat	<b>do      The Degree of Sultan-ul-Ulum presented to H. E. H. the Nizam 1333 F. —1923.</b>
23	28	Sun	
24	29	Mon	
25	30	Tues	
26	31	Wed	
27	Nov	Thurs	
28	2	FRI	
29	3	Sat	
30	4	Sun	

## DAI 1844 F.—NOVEMBER 1934

Dai.	Nov	Days.	
1	5	Mon	} <i>Shab-i-Miraj.</i> <i>Divali</i> <i>Independence Day.</i>
2	6	Tues	
3	7	Wed	
4	8	Thurs	
5	9	FRI	
6	10	Sat	
7	11	Sun	The Osmania University Regulations received the assent of H. E. H. 29th Safar 1889 H.—1380 F.—1920. <i>Princes' Marriage.</i>
8	12	Mon	
9	13	Tues	
10	14	Wed	
11	15	Thurs	
12	16	FRI	
13	17	Sat	
14	18	Sun	
15	19	Mon	
16	20	Tues	
17	21	Wed	
18	22	Thurs	} <i>Shab-i-Barat.</i>
19	23	FRI	
20	24	Sat	
21	25	Sun	
22	26	Mon	
23	27	Tues	
24	28	Wed	<i>Urus Husrat Babu Sharfuddin.</i>
25	29	Thurs	
26	30	FRI	
27	Dec.	Sat	1st and 3rd Professional M.B.B.S. Examinations begin.
28	2	Sun	
29	3	Mon	
30	4	Tues	

## BAHMAN 1344 F.—DECEMBER 1934.

Bah.	Dec.	Days.	
1	5	Wed	
2	6	Thurs	
3	7	FRI	
4	8	Sat	
5	9	Sun	
6	10	Mon	
7	11	Tues	
8	12	Wed	<i>Anniversary of late H. II. the Nizam.</i>
9	13	Thurs	
10	14	FRI	
11	15	Sat	<i>H. F. II. the Nizam Ascended the throne.</i>
12	16	Sun	
13	17	Mon	
14	18	Tues	
15	19	Wed	
16	20	Thurs	
17	21	FRI	
18	22	Sat	
19	23	Sun	
20	24	Mon	
21	25	Tues	<i>Christmas.</i>
22	26	Wed	
23	27	Thurs	
24	28	FRI	<i>Fateha Hazrat Ali,</i>
25	29	Sat	
26	30	Sun	
27	31	Mon	
28	Jan.	Tues	<i>New Year.</i>
29	2	Wed	
30	3	Thurs	

## ISFANDAR 1844 F.—JANUARY 1935.

Isf.	Jan.	Days.	
1	4	FRI	} <i>Shabi Qadr.</i>
2	5	Sat	
3	6	Sun	
4	7	Mon	
5	8	Tues	} <i>Id-ul-Fitr.</i>
6	9	Wed	
7	10	Thurs	
8	11	FRI	
9	12	Sat	
10	13	Sun	
11	14	Mon	} <i>Til Sankarat.</i>
12	15	Tues	
13	16	Wed	
14	17	Thurs	
15	18	FRI	
16	19	Sat	
17	20	Sun	} <i>Lunar Eclipse.</i>
18	21	Mon	
19	22	Tues	
20	23	Wed	
21	24	Thurs	
22	25	FRI	
23	26	Sat	
24	27	Sun	
25	28	Mon	
26	29	Tues	
27	30	Wed	
28	31	Thurs	
29	Feb.	FRI	
30	2	Sat	

## FARWARDI 1344 F.—FEBRUARY 1935.

Far.	Feb.	Days.	
1	3	Sun	
2	4	Mon	
3	5	Tues	
4	6	Wed	
5	7	Thurs	
6	8	FRI	<i>Basant Panchmi.</i>
7	9	Sat	
8	10	Sun	
9	11	Mon	
10	12	Tues	
11	13	Wed	
12	14	Thurs	
13	15	FRI	
14	16	Sat	
15	17	Sun	
16	18	Mon	
17	19	Tues	
18	20	Wed	
19	21	Thurs	
20	22	FRI	
21	23	Sat	<i>Death of Nawab Voliud Daulah Bahadur, the Vice-Chancellor.</i>
22	24	Sun	
23	25	Mon	
24	26	Tues	
25	27	Wed	
26	28	Thurs	
27	Mar.	FRI	
28	2	Sat	
29	3	Sun	<i>Maha Shivratri.</i>
30	4	Mon	<i>Annual Convocation.</i>
31	5	Tues	

## ARDIBEHISHT 1344 F.—MARCH 1935.

Ard.	Mar.	Days.	
1	6	Wed	
2	7	Thurs	
3	8	FRI	
4	9	Sat	Intermediate Examination in Practical Science begins.
5	10	Sun	
6	11	Mon	
7	12	Tues	
8	13	Wed	
9	14	Thurs	
10	15	FRI	} <i>Idus Zoha.</i>
11	16	Sat	
12	17	Sun	
13	18	Mon	} <i>Holi.</i>
14	19	Tues	
15	20	Wed	
16	21	Thurs	Intermediate, B.A., B.Sc., M.A., M.Sc., L.L. B., Diploma in Education, B.E., and M.B.B.S. Examinations begin.
17	22	FRI	
18	23	Sat	
19	24	Sun	<i>Fateha Hazrat Osman Ghani.</i>
20	25	Mon	
21	26	Tues	
22	27	Wed	Matriculation Examination begins.
23	28	Thurs	
24	29	FRI	
25	30	Sat	
26	31	Sun	
27	Apl.	Mon	
28	2	Tues	
29	3	Wed	
30	4	Thurs	<i>Ugadi.</i>
31	5	FRI	<i>Moharram. Fateha Hazrat Omar.</i>

## KHURDAD 1344 F.—APRIL 1935.

Khd	Apl.	Days.	
1	6	Sat	} <i>Moharram.</i>
2	7	Sun	
3	8	Mon	
4	9	Tues	
5	10	Wed	
6	11	Thurs	
7	12	FRI	
8	13	Sat	
9	14	Sun	
10	15	Mon	
11	16	Tues	
12	17	Wed	
13	18	Thurs	
14	19	FRI	
15	20	Sat	
16	21	Sun	
17	22	Mon	
18	23	Tues	
19	24	Wed	
20	25	Thurs	
21	26	FRI	
22	27	Sat	
23	28	Sun	
24	29	Mon	
25	30	Tues	
26	May	Wed	
27	2	Thurs	
28	3	FRI	
29	4	Sat	
30	5	Sun	
31	6	Mon	

## TIR 1344 F.—MAY 1935.

Tir.	May	Days.	
1	7	Tues	
2	8	Wed	
3	9	Thurs	
4	10	FRI	
5	11	Sat	
6	12	Sun	
7	13	Mon	
8	14	Tues	<i>Restoration of the Residency area.</i>
9	15	Wed	
10	16	Thurs	
11	17	FRI	
12	18	Sat	
13	19	Sun	
14	20	Mon	
15	21	Tues	
16	22	Wed	
17	23	Thurs	
18	24	FRI	<i>Queen Victoria's Birthday ; Arbaycen.</i>
19	25	Sat	
20	26	Sun	
21	27	Mon	
22	28	Tues	
23	29	Wed	<i>Last Wednesday.</i>
24	30	Thurs	
25	31	FRI	
26	Jun.	Sat	
27	2	Sun	
28	3	Mon	
29	4	Tues	
30	5	Wed	
31	6	Thurs	



## AMARDAD 1344 F.—JUNE 1935.

Amd	Jun.	Days	
1	7	FRI	<i>Fateha Hazrat Imam Hasan.</i>
2	8	Sat	
3	9	Sun	
4	10	Mon	
5	11	Tues	
6	12	Wed	
7	13	Thurs	<i>The Prophet's Birthday.</i>
8	14	FRI	<i>do</i>
9	15	Sat	
10	16	Sun	
11	17	Mon	
12	18	Tues	
13	19	Wed	
14	20	Thurs	
15	21	FRI	
16	22	Sat	
17	23	Sun	
18	24	Mon	
19	25	Tues	
20	26	Wed	
21	27	Thurs	
22	28	FRI	
23	29	Sat	
24	30	Sun	
25	July	Mon	
26	2	Tues	
27	3	Wed	
28	4	Thurs	
29	5	FRI	
30	6	Sat	
31	7	Sun	

## SHAHREWAR 1344 F.—JULY 1935.

Shr.	July	Days	
1	8	Mon	Birthday of H. H. the late Nizam.
2	9	Tues	
3	10	Wed	
4	11	Thurs	
5	12	FRI	
6	13	Sat	<i>Yazdahum Sharif.</i>
7	14	Sun	
8	15	Mon	
9	16	Tues	
10	17	Wed	
11	18	Thurs	
12	19	FRI	
13	20	Sat	
14	21	Sun	
15	22	Mon	
16	23	Tues	
17	24	Wed	
18	25	Thurs	
19	26	FRI	
20	27	Sat	
21	28	Sun	
22	29	Mon	
23	30	Tues	
24	31	Wed	
25	Aug	Thurs	
26	2	FRI	
27	3	Sat	
28	4	Sun	
29	5	Mon	
30	6	Tues	
31	7	Wed	

## MEHIR 1344 F.—AUGUST 1935.

Meh	Aug.	Days.	
1	8	Thurs	
2	9	FRI	
3	10	Sat	
4	11	Sun	
5	12	Mon	
6	13	Tues	
7	14	Wed	<i>Rakhi Punam.</i>
8	15	Thurs	
9	16	FRI	
10	17	Sat	
11	18	Sun	
12	19	Mon	
13	20	Tues	
14	21	Wed	<i>Janma Ashtami.</i>
15	22	Thurs	
16	23	FRI	
17	24	Sat	
18	25	Sun	
19	26	Mon	
20	27	Tues	
21	28	Wed	<b>Osmania University College opened 1328 F. 1919.</b>
22	29	Thurs	
23	30	FRI	
24	31	Sat	
25	Sept	Sun	
26	2	Mon	<i>Ganesh Chouth.</i>
27	3	Tues	
28	4	Wed	
29	5	Thurs	
30	6	FRI	

## ABAN 1344 F.—SEPTEMBER 1935.

Abn.	Sept	Days.	
1	7	Sat	Translation Bureau founded 18th Ziqada 1385 H. 1326 F.—1917.
2	8	Sun	
3	9	Mon	
4	10	Tues	<i>Anantachaturdasi.</i>
5	11	Wed	
6	12	Thurs	
7	13	FRI	
8	14	Sat	
9	15	Sun	
10	16	Mon	
11	17	Tues	
12	18	Wed	
13	19	Thurs	
14	20	FRI	
15	21	Sat	
16	22	Sun	<i>Futeha Hazrat Abu Bakar Siddiq.</i> The Royal Charter of the Osmania University promulgated, 16th Zilhijja, 1386 H.—1327 F.— 1918.
17	23	Mon	
18	24	Tues	
19	25	Wed	
20	26	Thurs	
21	27	FRI	
22	28	Sat	
23	29	Sun	
24	30	Mon	
25	Oct.	Tues	<i>H. E. H. the Nizam's Birthday.</i>
26	2	Wed	
27	3	Thurs	
28	4	FRI	
29	5	Sat	
30	6	Sun	

*Urus Hazrat Khwaju Muinuddin Chishti.*  
*Dusehra.*

## AZUR 1345 F.—OCTOBER 1935.

Azu.	Oct.	Days.	
1	7	Mon	<i>Dasehra, New Year.</i>
2	8	Tues	Osmania University Established, 1st Muhar-rum 1337 H., 1328 F.—1918.
3	9	Wed	
4	10	Thurs	
5	11	FRI	<i>Villudate Amir Alailhis Salam.</i>
6	12	Sat	
7	13	Sun	
8	14	Mon	} <i>Maula Ali Urus.</i>
9	15	Tues	
10	16	Wed	
11	17	Thurs	
12	18	FRI	
13	19	Sat	} <i>Shab-i-Miraj.</i>
14	20	Sun	
15	21	Mon	
16	22	Tues	
17	23	Wed	
18	24	Thurs	<i>Divali.</i>
19	25	FRI	
20	26	Sat	
21	27	Sun	Independence Day. The Degree of Sultan-ul-Uloom presented to H. E. H. 1333 F.—1923.
22	28	Mon	
23	29	Tues	
24	30	Wed	
25	31	Thurs	
26	Nov	FRI	
27	2	Sat	
28	3	Sun	
29	4	Mon	
30	5	Tues	

## DAI 1345 F.—NOVEMBER 1935.

Dai.	Nov	Days.	
1	6	Wed	
2	7	Thurs	
3	8	FRI	
4	9	Sat	
5	10	Sun	
6	11	Mon	} <i>Shabe Barat.</i> <i>Princes' Marriage.</i>
7	12	Tues	
8	13	Wed	
9	14	Thurs	
10	15	FRI	
11	16	Sat	
12	17	Sun	<i>Urus Hazrat Baba Sharfuddin.</i>
13	18	Mon	
14	19	Tues	
15	20	Wed	
16	21	Thurs	
17	22	FRI	
18	23	Sat	
19	24	Sun	
20	25	Mon	
21	26	Tues	
22	27	Wed	
23	28	Thurs	
24	29	FRI	
25	30	Sat	
26	Dec.	Sun	Anniversary of H. H. the late Nizam.
27	2	Mon	First and Third Professional M.B.B.S., Exams. Commence.
28	3	Tues	
29	4	Wed	<i>H. E. H. Nizam ascended the throne.</i>

## BAHMAN 1345 F.— DECEMBER 1935.

Bah	May	Days.	
1	5	Thurs	
2	6	FRI	
3	7	Sat	
4	8	Sun	
5	9	Mon	
6	10	Tues	
7	11	Wed	
8	12	Thurs	
9	13	FRI	
10	14	Sat	
11	15	Sun	
12	16	Mon	
13	17	Tues	<i>Fateha Hazrat Ali.</i>
14	18	Wed	
15	19	Thurs	
16	20	FRI	
17	21	Sat	
18	22	Sun	
19	23	Mon	
20	24	Tues	<i>Shab-i-Qadr.</i>
21	25	Wed	} <i>Christmas.</i>
22	26	Thurs	
23	27	FRI	
24	28	Sat	} <i>Id-ul-Fitr.</i>
25	29	Sun	
26	30	Mon	
27	31	Tues	
28	Jan. 1936	Wed	<i>New Year.</i>
29	2	Thurs	
30	3	FRI	

## ISFANDAR 1845 F.—JANUARY 1936.

Isf.	Jan.	Days.	
1	4	Sat	
2	5	Sun	
3	6	Mon	
4	7	Tues	
5	8	Wed	
6	9	Thurs	Lunar Eclipse.
7	10	FRI	
8	11	Sat	
9	12	Sun	
10	13	Mon	
11	14	Tues	<i>Til Sankarat.</i>
12	15	Wed	
13	16	Thurs	
14	17	FRI	
15	18	Sat	
16	19	Sun	
17	20	Mon	
18	21	Tues	} <i>Death of His Majesty George V.</i>
19	22	Wed	
20	23	Thurs	
21	24	FRI	
22	25	Sat	
23	26	Sun	
24	27	Mon	
25	28	Tues	<i>Basant Panchmi.</i>
26	29	Wed	
27	30	Thurs	
28	31	FRI	
29	Feb.	Sat	
30	2	Sun	



## FARWARDI 1345 F.—FEBRUARY 1936.

Far.	Feb.	Days.	
1	3	Mon	
2	4	Tues	
3	5	Wed	
4	6	Thurs	Annual Convocation.
5	7	FRI	
6	8	Sat	
7	9	Sun	<i>Birthday of Junior Prince.</i>
8	10	Mon	
9	11	Tues	
10	12	Wed	
11	13	Thurs	
12	14	FRI	
13	15	Sat	
14	16	Sun	
15	17	Mon	
16	18	Tues	
17	19	Wed	
18	20	Thurs	
19	21	FRI	<i>Maha Sivratri.</i>
20	22	Sat	
21	23	Sun	
22	24	Mon	
23	25	Tues	
24	26	Wed	
25	27	Thurs	
26	28	FRI	
27	29	Sat	
28	Mar.	Sun	
29	2	Mon	
30	3	Tues	
31	4	Wed	<i>Id-uz-Zoha.</i>

## ARDIBEHISHT 1345 F. — MARCH 1936.

Ard	Mar	Days.	
1	5	Thurs	} <i>Id-uz-zoha</i> <i>Holi</i>
2	6	FRI	
3	7	Sat	
4	8	Sun	
5	9	Mon	
6	10	Tues	
7	11	Wed	
8	12	Thurs	
9	13	FRI	
10	14	Sat	
11	15	Sun	
12	16	Mon	
13	17	Tues	
14	18	Wed	
15	19	Thurs	
16	20	FRI	
17	21	Sat	
18	22	Sun	
19	23	Mon	
20	24	Tues	} <i>Ugadi</i> <i>Fateha Hazrat Omar.</i>
21	25	Wed	
22	26	Thurs	
23	27	FRI	
24	28	Sat	
25	29	Sun	
26	30	Mon	} <i>Moharram</i> <i>Sri Ram Naumi.</i>
27	31	Tues	
28	Apr	Wed	
29	2	Thurs	
30	3	FRI	
31	4	Sat	

## KHURDAD 1345 F.—APRIL 1936.

Khu	Apr.	Days.	
1	5	Sun	<i>Moharram.</i>
2	6	Mon	University Examinations begin.
3	7	Tues	
4	8	Wed	
5	9	Thurs	
6	10	FRI	
7	11	Sat	
8	12	Sun	
9	13	Mon	
10	14	Tues	
11	15	Wed	
12	16	Thurs	
13	17	FRI	
14	18	Sat	
15	19	Sun	
16	20	Mon	
17	21	Tues	
18	22	Wed	
19	23	Thurs	
20	24	FRI	
21	25	Sat	
22	26	Sun	
23	27	Mon	
24	28	Tues	
25	29	Wed	
26	30	Thurs	
27	May	FRI	
28	2	Sat	
29	3	Sun	
30	4	Mon	
31	5	Tues	

## TIR 1345 F.—MAY 1936.

Tir	May	Days	
1	6	Wed	
2	7	Thurs	
3	8	FRI	
4	9	Sat	
5	10	Sun	
6	11	Mon	
7	12	Tues	<i>Arbayeen.</i>
8	13	Wed	
9	14	Thurs	<i>Restoration of the Residency area.</i>
10	15	FRI	
11	16	Sat	
12	17	Sun	
13	18	Mon	
14	19	Tues	
15	20	Wed	<i>Last Wednesday.</i>
16	21	Thurs	
17	22	FRI	
18	23	Sat	
19	24	Sun	<i>Queen Victoria's Birthday, 1819.</i>
20	25	Mon	
21	26	Tues	
22	27	Wed	<i>Fateha Hazrat Imam Husun.</i>
23	28	Thurs	
24	29	FRI	
25	30	Sat	
26	31	Sun	
27	Jun.	Mon	
28	2	Tues	} <i>The Prophet's Birthday.</i>
29	3	Wed	
30	4	Thurs	
31	5	FRI	

## AMARDAD 1345 F.—JUNE 1936.

Amr	Jun.	Days	
1	6	Sat	
2	7	Sun	
3	8	Mon	
4	9	Tues	
5	10	Wed	
6	11	Thurs	
7	12	FRI	
8	13	Sat	
9	14	Sun	
10	15	Mon	
11	16	Tues	
12	17	Wed	
18	18	Thurs	
14	19	FRI	
15	20	Sat	
16	21	Sun	
17	22	Mon	
18	23	Tues	<i>Birthday of His Imperial Majesty the late King George V.</i>
19	24	Wed	
20	25	Thurs	
21	26	FRI	<i>Birthday of H. H. the late Nizam.</i>
22	27	Sat	
23	28	Sun	
24	29	Mon	
25	30	Tues	
26	July	Wed	<i>Yazdahum Sharif.</i>
27	2	Thurs	
28	3	FRI	
29	4	Sat	
30	5	Sun	<i>Lunar Eclipse.</i>
31	6	Mon	

## SHAHREWAR 1345 F.—JULY 1936.

Shr.	July	Days.	
1	7	Tues	
2	8	Wed	
3	9	Thurs	
4	10	FRI	
5	11	Sat	
6	12	Sun	
7	13	Mon	
8	14	Tues	
9	15	Wed	
10	16	Thurs	
11	17	FRI	
12	18	Sat	
13	19	Sun	
14	20	Mon	
15	21	Tues	
16	22	Wed	
17	23	Thurs	
18	24	FRI	
19	25	Sat	
20	26	Sun	
21	27	Mon	
22	28	Tues	
23	29	Wed	
24	30	Thurs	
25	31	FRI	
26	Aug	Sat	
27	2	Sun	<i>Rukhi Punam.</i>
28	3	Mon	
29	4	Tues	
30	5	Wed	
31	6	Thurs	

## MEHIR 1345 F.—AUGUST 1936.

Meh	Aug	Days.	
1	7	FRI	
2	8	Sat	
3	9	Sun	<i>Janma Ashtimi.</i>
4	10	Mon	
5	11	Tues	
6	12	Wed	
7	13	Thurs	
8	14	FRI	
9	15	Sat	
10	16	Sun	
11	17	Mon	
12	18	Tues	
13	19	Wed	
14	20	Thurs	
15	21	FRI	
16	22	Sat	
17	23	Sun	
18	24	Mon	
19	25	Tues	
20	26	Wed	
21	27	Thurs	<b>Osmania University College opened 1328 F.—1919.</b>
22	28	FRI	
23	29	Sat	
24	30	Sun	
25	31	Mon	
26	Sept	Tues	
27	2	Wed	
28	3	Thurs	
29	4	FRI	
30	5	Sat	

## ABAN 1845 F.—SEPTEMBER 1936.

Abn.	Sept	Days.	
1	6	Sun	<b>Translation Bureau founded 18th Ziqada 1335 H. 1326 F.-1917.</b>
2	7	Mon	
3	8	Tues	
4	9	Wed	
5	10	Thurs	
6	11	FRI	<i>Fateha Hazrat Abu Bakar Siddiq.</i>
7	12	Sat	
8	13	Sun	
9	14	Mon	
10	15	Tues	
11	16	Wed	<b>H. E. H. the Nizam's Birthday, 1302 H.</b>
12	17	Thurs	
13	18	FRI	
14	19	Sat	
15	20	Sun	
16	21	Mon	<b>The Royal Charter of the Osmania University promulgated, 16th Zilhijja, 1336 H.-1327 F.-1918.</b>
17	22	Tues	
18	23	Wed	
19	24	Thurs	
20	25	FRI	
21	26	Sat	<i>Urus Hazrat Khwaja Muinuddin Chishti.</i>
22	27	Sun	
23	28	Mon	
24	29	Tues	
25	30	Wed	
26	Oct. 1	Thurs	<i>Anantachaturdasi.</i> <i>Birthday of Hazrat Ali.</i>
27	2	FRI	
28	3	Sat	
29	4	Sun	
30	5	Mon	
			<i>Maula Ali Urus.</i>



## AZUR 1346 F.—OCTOBER 1936.

Azr.	Oct.	Days.	
1	6	Tues	<i>Fasli New Year.</i>
2	7	Wed	
3	8	Thurs	
4	9	FRI	
5	10	Sat	
6	11	Sun	
7	12	Mon	
8	13	Tues	} <i>Shab-i-Miraj.</i>
9	14	Wed	
10	15	Thurs	
11	16	FRI	<i>Independence Day.</i>
12	17	Sat	
13	18	Sun	
14	19	Mon	
15	20	Tues	
16	21	Wed	
17	22	Thurs	
18	23	FRI	
19	24	Sat	} <i>Dashehra.</i>
20	25	Sun	
21	26	Mon	
22	27	Tues	<b>The Degree of Sultan-ul-Uloom presented to H. E. H. the Nizam 1333 F.—1923.</b>
23	28	Wed	
24	29	Thurs	
25	30	FRI	
26	31	Sat	} <i>Shab-i-Barat.</i>
27	Nov	Sun	
28	2	Mon	
29	3	Tues	
30	4	Wed	

## DAI 1346 F.—NOVEMBER 1936.

Dai.	Nov	Days.	
1	5	Thurs	
2	6	FRI	
3	7	Sat	
4	8	Sun	
5	9	Mon	
6	10	Tues	
7	11	Wed	The Osmania University Regulations received the assent of H. E. H. 29th Safar 1339 H.—1330 F.—1920.
8	12	Thurs	<i>Princes' Marriage.</i>
9	13	FRI	} <i>Divali</i>
10	14	Sat	
11	15	Sun	
12	16	Mon	
13	17	Tues	
14	18	Wed	
15	19	Thurs	Anniversary of H. H. the late Nizam.
16	20	FRI	
17	21	Sat	
18	22	Sun	<i>H. E. H. Nizam ascended the throne.</i>
19	23	Mon	
20	24	Tues	
21	25	Wed	
22	26	Thurs	
23	27	FRI	
24	28	Sat	
25	29	Sun	
26	30	Mon	
27	Dec.	Tues	
28	2	Wed	
29	3	Thurs	

## BAHMAN 1346 F.— DECEMBER 1936.

Bah	May	Days.	
1	4	FRI	
2	5	Sat	<i>Fateha Hazrat Ali.</i>
3	6	Sun	
4	7	Mon	
5	8	Tues	
6	9	Wed	
7	10	Thurs	
8	11	FRI	
9	12	Sat	} <i>Shab-i-Qadr.</i>
10	13	Sun	
11	14	Mon	
12	15	Tues	} <i>Id-ul-Fitr.</i>
13	16	Wed	
14	17	Thurs	
15	18	FRI	
16	19	Sat	
17	20	Sun	
18	21	Mon	
19	22	Tues	
20	23	Wed	
21	24	Thurs	
22	25	FRI	<i>Christmas.</i>
23	26	Sat	
24	27	Sun	
25	28	Mon	
26	29	Tues	
27	30	Wed	
28	31	Thurs	
29	Jan. 1937	FRI	<i>New Year.</i>
30	2	Sat	

## ISFANDAR 1846 F.—JANUARY 1987.

Isf.	Jan.	Days	
1	3	Sun	
2	4	Mon	
3	5	Tues	
4	6	Wed	
5	7	Thurs	
6	8	FRI	
7	9	Sat	
8	10	Sun	
9	11	Mon	
10	12	Tues	
11	13	Wed	
12	14	Thurs	<i>Til Sankarat.</i>
13	15	FRI	
14	16	Sat	
15	17	Sun	
16	18	Mon	
17	19	Tues	
18	20	Wed	
19	21	Thurs	
20	22	FRI	
21	23	Sat	
22	24	Sun	Last date for receiving applications for the Matriculation Examination.
23	25	Mon	
24	26	Tues	
25	27	Wed	<i>Birthday of Junior Prince.</i>
26	28	Thurs	
27	29	FRI	
28	30	Sat	
29	31	Sun	
30	Feb.	Mon	

## FARWARDI 1346 F.—FEBRUARY 1937.

Far.	Feb.	Days.	
1	2	Tues	
2	3	Wed	
3	4	Thurs	
4	5	FRI	Last day for receiving applications from Inter. B. A. and B. Sc. (private) candidates,
5	6	Sat	
6	7	Sun	
7	8	Mon	
8	9	Tues	
9	10	Wed	
10	11	Thurs	Annual Convocation.
11	12	FRI	
12	13	Sat	<i>Jubilee Celebrations of H. E. H. the Nizam's Commence.</i>
13	14	Sun	
14	15	Mon	<i>Basant Panchmi.</i>
15	16	Tues	
16	17	Wed	
17	18	Thurs	Last day for receiving applications from Inter. B. A. and B. Sc., M. A. M. Sc., and LL. B. candidates.
18	19	FRI	
19	20	Sat	
20	21	Sun	
21	22	Mon	} <i>Iduz Zoha.</i>
22	23	Tues	
23	24	Wed	
24	25	Thurs	
25	26	FRI	
26	27	Sat	Last day for receiving applications from B.E., M. B. B. S., (2nd and 4th professional) and Diploma in Education candidates.
27	28	Sun	
28	Mar.	Mon	
29	2	Tues	<i>Pateha Hazrat Osman Ghani.</i>
30	3	Wed	
31	4	Thurs	

## ARDIBEHISHT 1846 F.—MARCH 1937.

Ard.	Mar.	Days	
1	5	FRI	
2	6	Sat	
3	7	Sun	
4	8	Mon	
5	9	Tues	
6	10	Wed	
7	11	Thurs	<i>Maha Shivratri.</i>
8	12	FRI	
9	13	Sat	
10	14	Sun	
11	15	Mon	<i>Fateha Hazrat Omar.</i>
12	16	Tues	
13	17	Wed	
14	18	Thurs	<i>Moharram.</i>
15	19	FRI	
16	20	Sat	
17	21	Sun	
18	22	Mon	
19	23	Tues	
20	24	Wed	<i>Holi</i> <i>do</i>
21	25	Thurs	
22	26	FRI	
23	27	Sat	Matriculation Examination and Practical Examinations in Chemistry, Physics, Zoology and Botany for the Intermediate, B. Sc. and M. Sc. Candidates begin,
24	28	Sun	
25	29	Mon	
26	30	Tues	
27	31	Wed	
28	Apl.	Thurs	
29	2	FRI	
30	3	Sat	
31	4	Sun	

## KHURDAD 1346 F.—APRIL 1937.

Khu	Apr.	Days.	
1	5	Mon	Intermediate, B.A., B.Sc., M.A., M.Sc., L.L.B., B.E., Diploma in Education, and M.B.B.S. (2nd & 4th Professional) Examinations begin.
2	6	Tues	
3	7	Wed	
4	8	Thurs	
5	9	FRI	
6	10	Sat	
7	11	Sun	
8	12	Mon	<i>Ugadi.</i>
9	13	Tues	
10	14	Wed	
11	15	Thurs	
12	16	FRI	
13	17	Sat	
14	18	Sun	
15	19	Mon	<i>Sri Ramnaumi.</i>
16	20	Tues	
17	21	Wed	
18	22	Thurs	
19	23	FRI	
20	24	Sat	
21	25	Sun	
22	26	Mon	
23	27	Tues	
24	28	Wed	
25	29	Thurs	
26	30	FRI	
27	May	Sat	
28	2	Sun	<i>Arbaycen.</i>
29	3	Mon	
30	4	Tues	
31	5	Wed	<i>Last Wednesday</i>

## TIR 1346 F.—MAY 1937.

Tir	May	Days	
1	6	Thurs	
2	7	FRI	
3	8	Sat	
4	9	Sun	
5	10	Mon	
6	11	Tues	
7	12	Wed	<i>Coronation of His Imperial Majesty George VI.</i>
8	13	Thurs	
9	14	FRI	<i>Restoration of the Residency area.</i>
10	15	Sat	
11	16	Sun	<i>Puteha Hazrat Imam Hasan.</i>
12	17	Mon	
13	18	Tues	
14	19	Wed	
15	20	Thurs	
16	21	FRI	
17	22	Sat	} <i>The Prophet's Birthday.</i>
18	23	Sun	
19	24	Mon	<i>Queen Victoria's Birthday, 1819.</i>
20	25	Tues	
21	26	Wed	
22	27	Thurs	
23	28	FRI	
24	29	Sat	
25	30	Sun	
26	31	Mon	
27	Jun.	Tues	
28	2	Wed	
29	3	Thurs	
30	4	FRI	
31	5	Sat	



## AMARDAD 1346 F.—JUNE 1937.

Amr	Jun.	Days	
1	6	Sun	
2	7	Mon	
3	8	Tues	
4	9	Wed	
5	10	Thurs	
6	11	FRI	
7	12	Sat	
8	13	Sun	
9	14	Mon	
10	15	Tues	
11	16	Wed	Birthday of H. H. the late Nizam.
12	17	Thurs	
13	18	FRI	
14	19	Sat	
15	20	Sun	
16	21	Mon	<i>Yazdahum Sharif.</i>
17	22	Tues	
18	23	Wed	
19	24	Thurs	
20	25	FRI	
21	26	Sat	
22	27	Sun	
23	28	Mon	
24	29	Tues	
25	30	Wed	
26	July	Thurs	
27	2	FRI	
28	3	Sat	
29	4	Sun	
30	5	Mon	
31	6	Tues	

## SHAHREWAR 1346 F.—JULY 1937.

Shr.	July	Days.
1	7	Wed
2	8	Thurs
3	9	FRI
4	10	Sat
5	11	Sun
6	12	Mon
7	13	Tues
8	14	Wed
9	15	Thurs
10	16	FRI
11	17	Sat
12	18	Sun
13	19	Mon
14	20	Tues
15	21	Wed
16	22	Thurs
17	23	FRI
18	24	Sat
19	25	Sun
20	26	Mon
21	27	Tues
22	28	Wed
23	29	Thurs
24	30	FRI
25	31	Sat
26	Aug	Sun
27	2	Mon
28	3	Tues
29	4	Wed
30	5	Thurs
31	6	FRI

## MEHIR 1346 F.—AUGUST 1937.

Meh	Aug	Days.	
1	7	Sat	
2	8	Sun	
3	9	Mon	
4	10	Tues	
5	11	Wed	
6	12	Thurs	
7	13	FRI	
8	14	Sat	
9	15	Sun	
10	16	Mon	
11	17	Tues	
12	18	Wed	
13	19	Thurs	
14	20	FRI	
15	21	Sat	<i>Rakhi Punam.</i>
16	22	Sun	
17	23	Mon	
18	24	Tues	
19	25	Wed	
20	26	Thurs	
21	27	FRI	Osmania University College opened 1328 F. 1919,
22	28	Sat	<i>Janma Ashtimi.</i>
23	29	Sun	<i>Fateha Hazrat Abu Bakar Siddiq.</i>
24	30	Mon	
25	31	Tues	
26	Sept	Wed	
27	2	Thurs	
28	3	FRI	
29	4	Sat	
30	5	Sun	

## ABAN 1846 F.—SEPTEMBER 1937.

Abn.	Sept.	Days.	
1	6	Mon	Translation Bureau founded 18th Ziqada 1335 H. 1326 F.-1917.
2	7	Tues	H. E. H. the Nizam's Birthday.
3	8	Wed	<i>Ganesh Chauth</i>
4	9	Thurs	
5	10	FRI	
6	11	Sat	
7	12	Sun	<i>Urus Hazrat Khwaja Muinuddin Chishti.</i>
8	13	Mon	
9	14	Tues	
10	15	Wed	
11	16	Thurs	
12	17	FRI	
13	18	Sat	
14	19	Sun	<i>Birthday of Hazrat Ali - Anantachaturdasi.</i>
15	20	Mon	
16	21	Tues	The Royal Charter of the Osmania University promulgated, 16th Zilhijja, 1336 H.-1327 F.-1918.
17	22	Wed	
18	23	Thurs	} <i>Urus Maula Ali.</i>
19	24	FRI	
20	25	Sat	
21	26	Sun	
22	27	Mon	
23	28	Tues	
24	29	Wed	
25	30	Thurs	
26	Oct.	FRI	
27	2	Sat	} <i>Shabi Miraj</i>
28	3	Sun	
29	4	Mon	
30	5	Tues	<i>Independence Day.</i>

## AZUR 1347 F. — OCTOBER 1937.

Azr	Oct.	Days.	
1	6	Wed	<i>Fasli New year</i>
2	7	Thurs	<b>Osmania University Established 1st Mu-harrum 1337 H., 1928 F —1918.</b>
3	8	FRI	
4	9	Sat	
5	10	Sun	
6	11	Mon	
7	12	Tues	
8	13	Wed	
9	14	Thurs	} <i>Dasehra</i>
10	15	FRI	
11	16	Sat	
12	17	Sun	
13	18	Mon	
14	19	Tues	
15	20	Wed	} <i>Shab-i-Barat</i>
16	21	Thurs	
17	22	FRI	
18	23	Sat	
19	24	Sun	<i>Berar Agreement</i>
20	25	Mon	
21	26	Tues	<i>Urus Hazrat Baha Sharfuddin</i>
22	27	Wed	<b>The Degree of Sultan-ul-Ulum presented to H.E.H. the Nizam 1333 F.—1918.</b>
23	28	Thurs	
24	29	FRI	
25	30	Sat	
26	31	Sun	
27	Nov	Mon	
28	2	Tues	<i>Divali</i>
29	3	Wed	
30	4	Thurs	

## DAI 1347 F.—NOVEMBAR 1937.

Dai.	Nov	Days.	
1	5	FRI	
2	6	Sat	
3	7	Sun	
4	8	Mon	<i>Anniversary of late H. H. the late Nizam,</i>
5	9	Tues	
6	10	Wed	
7	11	Thurs	<b>H. E. H. Nizam ascended the Throne.</b>
8	12	FRI	The Osmania University Regulations received the assent of His Exalted Highness, 29th Safar 1339 H, 1330 F.—1920, <i>Princes' Marriage.</i>
9	13	Sat	
10	14	Sun	
11	15	Mon	
12	16	Tues	
13	17	Wed	
14	18	Thurs	
15	19	FRI	
16	20	Sat	
17	21	Sun	
18	22	Mon	
19	23	Tues	
20	24	Wed	<i>Fateha Hazrat Ali</i>
21	25	Thurs	
22	26	FRI	
23	27	Sat	
24	28	Sun	
25	29	Mon	
26	30	Tues	
27	Dec, 1	Wed	} <i>Shab-i-Qadr.</i>
28	2	Thurs	
29	3	FRI	

## BAHMAN 1347 F.— DECEMBER 1937.

Bah.	May	Days.	
1	4	Sat	<i>Shab-i-Qadr.</i>
2	5	Sun	} <i>Id-ul-Fitr.</i>
3	6	Mon	
4	7	Tues	
5	8	Wed	
6	9	Thurs	
7	10	FRI	
8	11	Sat	
9	12	Sun	
10	13	Mon	
11	14	Tues	
12	15	Wed	
13	16	Thurs	
14	17	FRI	
15	18	Sat	
16	19	Sun	
17	20	Mon	
18	21	Tues	
19	22	Wed	
20	23	Thurs	
21	24	FRI	
22	25	Sat	<i>Christmas.</i>
23	26	Sun	
24	27	Mon	
25	28	Tues	
26	29	Wed	
27	30	Thurs	
28	31	FRI	
29	Jan. 1938	Sat	<i>New Year.</i>
30	2	Sun	

## ISFANDAR 1847 F.—JANUARY 1988.

Isf.	Jan.	Days
1	3	Mon
2	4	Tues
3	5	Wed
4	6	Thurs
5	7	FRI
6	8	Sat
7	9	Sun
8	10	Mon
9	11	Tues
10	12	Wed
11	13	Thurs
12	14	FRI
13	15	Sat
14	16	Sun
15	17	Mon
16	18	Tues
17	19	Wed
18	20	Thurs
19	21	FRI
20	22	Sat
21	23	Sun
22	24	Mon
23	25	Tues
24	26	Wed
25	27	Thurs
26	28	FRI
27	29	Sat
28	30	Sun
29	31	Mon
30	Feb.	Tues

*Til Sankarat.**Birthday of Junior Prince.*



## FARWARDI 1347 F.—FEBRUARY 1938.

Far.	Feb.	Days.	
1	2	Wed	
2	3	Thurs	
3	4	FRI	
4	5	Sat	<i>Basant Panchmi.</i>
5	6	Sun	
6	7	Mon	
7	8	Tues	
8	9	Wed	
9	10	Thurs	
10	11	FRI	} <i>Iduz Zoha.</i>
11	12	Sat	
12	13	Sun	
13	14	Mon	
14	15	Tues	
15	16	Wed	
16	17	Thurs	
17	18	FRI	
18	19	Sat	
19	20	Sun	<i>Falcha Hazrat Osman Ghani.</i>
20	21	Mon	
21	22	Tues	
22	23	Wed	
23	24	Thurs	
24	25	FRI	
25	26	Sat	
26	27	Sun	
27	28	Mon	<i>Maha Shivratri.</i>
28	Mar.	Tues	
29	2	Wed	
30	3	Thurs	
31	4	FRI	<i>Moharrum, Fateha Hazrat Omar Faruq.</i>

## ARDIBEHISHT 1347 F.—MARCH 1938.

Ard.	Mar.	Days	
1	5	Sat	} <i>Moharram.</i>
2	6	Sun	
3	7	Mon	
4	8	Tues	
5	9	Wed	
6	10	Thurs	
7	11	FRI	
8	12	Sat	} <i>Holi</i> <i>do</i>
9	13	Sun	
10	14	Mon	
11	15	Tues	
12	16	Wed	
13	17	Thurs	
14	18	FRI	
15	19	Sat	
16	20	Sun	
17	21	Mon	
18	22	Tues	
19	23	Wed	
20	24	Thurs	
21	25	FRI	
22	26	Sat	
23	27	Sun	
24	28	Mon	
25	29	Tues	
26	30	Wed	
27	31	Thurs	
28	Apl.	FRI	} <i>Ugadi</i>
29	2	Sat	
30	3	Sun	
31	4	Mon	

## KHURDAD 1347 F.—APRIL 1938.

Khu	Apr.	Days.	
1	5	Tues	
2	6	Wed	
3	7	Thurs	
4	8	FRI	<i>Sri Ramnami.</i>
5	9	Sat	
6	10	Sun	
7	11	Mon	
8	12	Tues	
9	13	Wed	
10	14	Thurs	
11	15	FRI	
12	16	Sat	
13	17	Sun	
14	18	Mon	
15	19	Tues	
16	20	Wed	
17	21	Thurs	
18	22	FRI	<i>Arbujan.</i>
19	23	Sat	
20	24	Sun	
21	25	Mon	
22	26	Tues	
23	27	Wed	<i>Last Wednesday</i>
24	28	Thurs	
25	29	FRI	
26	30	Sat	
27	May	Sun	
28	2	Mon	
29	3	Tues	
30	4	Wed	
31	5	Thurs	

## TIR 1347 F.—MAY 1938.

Tir	May	Days	
1	6	FRI	<i>Fateha Hazrat Imam Hasen.</i>
2	7	Sat	
3	8	Sun	
4	9	Mon	
5	10	Tues	
6	11	Wed	
7	12	Thurs	] <i>The Prophet's Birthday.</i>
8	13	FRI	
9	14	Sat	<i>Restoration of the Residency area.</i>
10	15	Sun	
11	16	Mon	
12	17	Tues	
13	18	Wed	
14	19	Thurs	
15	20	FRI	
16	21	Sat	
17	22	Sun	
18	23	Mon	
19	24	Tues	<i>Queen Victoria's Birthday, 1819.</i>
20	25	Wed	
21	26	Thurs	
22	27	FRI	
23	28	Sat	
24	29	Sun	
25	30	Mon	
26	31	Tues	
27	Jun.	Wed	
28	2	Thurs	
29	3	FRI	
30	4	Sat	
31	5	Sun	<i>H. H. the late Nizam's Birthday.</i>

## AMARDAD 1347 F.—JUNE 1938.

Amr	Jun.	Days
1	6	Mon
2	7	Tues
3	8	Wed
4	9	Thurs
5	10	FRI
6	11	Sat
7	12	Sun
8	13	Mon
9	14	Tues
10	15	Wed
11	16	Thurs
12	17	FRI
13	18	Sat
14	19	Sun
15	20	Mon
16	21	Tues
17	22	Wed
18	23	Thurs
19	24	FRI
20	25	Sat
21	26	Sun
22	27	Mon
23	28	Tues
24	29	Wed
25	30	Thurs
26	July	FRI
27	2	Sat
28	3	Sun
29	4	Mon
30	5	Tues
31	6	Wed

*Yazdahun Sharif.*

## SHAHREWAR 1347 F.—JULY 1938.

Shr.	July	Days.
1	7	Thurs
2	8	FRI
3	9	Sat
4	10	Sun
5	11	Mon
6	12	Tues
7	13	Wed
8	14	Thurs
9	15	FRI
10	16	Sat
11	17	Sun
12	18	Mon
13	19	Tues
14	20	Wed
15	21	Thurs
16	22	FRI
17	23	Sat
18	24	Sun
19	25	Mon
20	26	Tues
21	27	Wed
22	28	Thurs
23	29	FRI
24	30	Sat
25	31	Sun
26	Aug	Mon
27	2	Tues
28	3	Wed
29	4	Thurs
30	5	FRI
31	6	Sat

## MEHIR 1347 F.—AUGUST 1938.

Meh	Aug	Days.	
1	7	Sun	
2	8	Mon	
3	9	Tues	
4	10	Wed	<i>Rakhi Ponnam.</i>
5	11	Thurs	
6	12	FRI	
7	13	Sat	
8	14	Sun	
9	15	Mon	
10	16	Tues	
11	17	Wed	
12	18	Thurs	<i>Sri Krishna's Birthday.</i>
13	19	FRI	<i>Fateha Hazrat Abu Bakr Siddiq.</i>
14	20	Sat	
15	21	Sun	
16	22	Mon	
17	23	Tues	
18	24	Wed	
19	25	Thurs	
20	26	FRI	{ <i>H. E. H. the Nizam's Birthday.</i> <i>Osmania University College opened 1328F.</i> <i>1919,</i>
21	27	Sat	
22	28	Sun	<i>Ganesh Chauth</i>
23	29	Mon	
24	30	Tues	
25	31	Wed	
26	Sept	Thurs	<i>Urus Hazrat Khwaja Muinuddin Chishti.</i>
27	2	FRI	
28	3	Sat	
29	4	Sun	
30	5	Mon	

## ABAN 1347 F.—SEPTEMBER 1938.

Abn.	Sept.	Days.	
1	6	Tues	Translation Bureau founded 18th Ziqada 1335 H. 1326 F.-1917.
2	7	Wed	
3	8	Thurs	<i>Villaduth Amir Alaihis Salam'</i> <i>Ananta chaturdasi.</i>
4	9	FRI	
5	10	Sat	
6	11	Sun	
7	12	Mon	} <i>Urus Maula Ali.</i>
8	13	Tues	
9	14	Wed	
10	15	Thurs	
11	16	FRI	
12	17	Sat	
13	18	Sun	
14	19	Mon	
15	20	Tues	
16	21	Wed	The Royal Charter of the Osmania Univer- sity promulgated, 16th Zilhijja, 1336 H.- 1327 F.-1918. <i>Shabi Miraj</i> <i>do do</i>
17	22	Thurs	
18	23	FRI	
19	24	Sat	<i>Independence Day.</i>
20	25	Sun	
21	26	Mon	
22	27	Tues	
23	28	Wed	
24	29	Thurs	
25	30	FRI	
26	Oct.	Sat	
27	2	Sun	
28	3	Mon	} <i>Dasehra.</i>
29	4	Tues	
30	5	Wed	



## INTRODUCTION

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THE Osmania University has come into existence in response to a wide-spread demand in the Dominions for a type of higher education calculated to satisfy the intellectual and cultural aspirations of the people and having its foundations deep in their national consciousness. For over half a century higher education in the State was controlled by the Madras University; but the connection proved so unfruitful that enlightened public opinion in the State became averse to its continuance and proposals were mooted from time to time either to affiliate educational institutions in the State to another University or better still to have an entirely self-contained system of higher education. These proposals continued to be discussed for a long time without taking a definite shape until the accession of the present ruler of the State, whose reign has been the starting-point of an era of unprecedented educational progress. Early in his reign an Educational Adviser was appointed to report on the improvements to be effected in the educational organization of the State and on his advice the whole system of Primary and Secondary education was overhauled, the number of schools was largely increased and all institutions were provided with better teachers and equipment. The question of higher education was then taken up and early in 1917 the Right Hon. Sir Akbar Hydari (Nawab Hyder Nawaz Jung Bahadur), then Secretary to His Exalted Highness' (Government in Educational Department, submitted a memorandum to His Exalted Highness in which after surveying the existing educational conditions and discussing the disadvantages of imparting knowledge through the medium of a foreign language he recommended that considering the peculiar needs and conditions of the State:—

“we require a new University free from the evils inherent in the present system and calculated to undo its deplorable effects. The University so founded shall be based on the fundamental principles of education, and shall take into consideration the peculiar needs of the people and their national characteristics. It shall preserve all that is best in the present and ancient systems of education. It should be both an examining and a teaching body and in addition to this undertake to compile and translate books, using the Urdu language

both for the imparting of knowledge and the training of the intellect."

In the course of this memorandum, Sir A. Hydari pointed out the defects inherent in the present system of education through the medium of a foreign language, such as the undue and unwarranted strain on the students' memory, the time wasted in mastering the intricacies of a foreign language at the sacrifice of the subject-matter taught, the stifling of originality and the inability of the graduates to impart knowledge to their fellow countrymen in their mother-tongue and the unbridgeable gulf thus created between the educated classes and the mass of the general public. He also referred to the two possible objections that might be urged against the selection of Urdu as the medium of instruction in the proposed University, firstly that the majority of the people spoke other languages and secondly the absence of good books in Urdu. As to the first it was pointed out that although it was true that those whose mother-tongue is Urdu are in a minority, yet Urdu is the cultural and official language of the State and of polite society, and is generally spoken by those classes from which students proceeding to a college course are drawn. The Rt. Hon. Sir Akbar Hydari met the second objection by stating that if a Bureau of compilation and translation were attached to the University, books required for College Classes; could be produced in a short time. His opinion has proved to be well-founded as the Bureau of Translation has, during this short period, produced almost all the books required as text-books for the Intermediate and the B.A. Classes and is at present engaged in the translation of books on Law, Medicine, Engineering and those required for M.A. & M.Sc. Classes. The capacity of Urdu as the vehicle for expressing scientific ideas is generally recognised. The well-known historian, Mr. Vincent A. Smith, bears testimony to this fact in the last chapter of his *History of India*. While welcoming the inauguration of the Osmania University, he says:—

"The Urdu language which resembles English in simplicity and flexibility of its syntax and in the extraordinary wealth of its vocabulary drawn from Western Hindi, Sanskrit, Persian, Arabic, English and other sources should be capable of expressing ideas on any subject, literary, philosophical and scientific."

His Exalted Highness, whose deep and abiding interest in the advancement of education is well known, was graciously pleased to approve of the proposal and has ever since shown the greatest interest in the progress of the movement, which but for

his princely generosity and sympathetic guidance could not have made any headway. The words of his gracious *Farman* dated the 4th Rajab 1335 H. (Khurdad (1326 F.—April 1917) are well worth reproduction:—

“I am pleased to express my approval of the views set forth in the Arzdasht and the memorandum submitted therewith, regarding the inauguration of a University in the State, in which the knowledge and culture of ancient and modern times may be blended so harmoniously as to remove the defects created by the present system of education and full advantage may be taken of all that is best in the ancient and modern systems of physical, intellectual, and spiritual culture. In addition to its primary object of diffusing knowledge, it should aim at the moral training of the students and give an impetus to research in all scientific objects. The fundamental principle in the working of the University should be that Urdu should form the medium of higher education but that a knowledge of English as a language should at the same time be deemed compulsory for all students. With this object in view I am pleased to order that steps be taken for the inauguration on the lines laid down in the Arzdasht, of a University for the Dominions, to be called the Osmania University of Hyderabad in commemoration of my accession to the throne.”

In pursuance of the august commands of His Exalted Highness, the Educational Department proceeded at once with the preliminary spade-work necessary for the launching of this great project. Representative Committees were formed to consider courses of studies for the Faculties of Arts and Theology of the proposed University, and the draft curricula prepared by these Committees were circulated widely in educational circles in England and in India with the result that the promoters of the University had the satisfaction of seeing that their conclusions were more or less approved of by eminent educational authorities.

The main features of these curricula are that in the Matriculation, the students can have a good grounding in the subjects which they will study at College. In the Intermediate Examination, a greater latitude has been given in the selection of subjects than in other Indian Universities, whilst at the same time the subjects have been so grouped as to enable a student to take up more or less cognate and allied subjects. This division of

subjects into distinctive groups makes intensive study possible in the B.A. Classes since besides English and Theology or Morals which are compulsory, a student can take up only one particular subject in which he can specialise and later carry on research work. It may also be noted that Theology or Morals is compulsory for all under-graduates in the Faculties of Arts and Science.

The standard of compulsory English is nearly the same as in other Universities, which enables the *alumni* of the Osmania University to keep in touch with the currents of thought in the English-speaking world and prevents them from being confined to the publications of the University. They are also encouraged by the staff to consult English books on various subjects from which questions are set to them to criticise and to explain. English is taught only as a language, so that the students may be able to speak and write it with ease and accuracy and to appreciate all that is best in modern English Literature.

The first constructive work of the University was the establishment of a Bureau of Translation with a staff of eight qualified translators under the direction of a noted scholar and writer. The Bureau has been very successful in its work considering the immense difficulties in the way, specially in the coining of scientific terms for which expert committees are constantly at work and have devised a terminology for a number of sciences. The work attempted by the Bureau embraces the whole range of University studies including History (Eastern and Western,) Philosophy, Economics, Sociology, Mathematics (pure and applied), Physics, Chemistry, Law, Botany and Zoology, Engineering, Pedagogics and Medicine. The books translated by the Bureau are printed at the University Press attached to the Bureau. The Dairat-ul-Maarif (Oriental Publication Bureau) which publishes rare Arabic books not available in print has recently been placed under the control of the University. The services rendered by this institution to the cause of Arabic learning have been universally recognised not only in Islamic countries but also by European Orientalists.

Under the Charter, the constitution of the University, which has been framed to suit local conditions of official and public life, differs in some respects from that of the older Indian Universities. Academic and administrative functions are vested in distinct bodies specially constituted for these purposes. With this object the Faculties have been so constituted as to perform academic functions, which in many Indian Universities are performed by the Syndicate. The number of Fellows appointed to the Faculties is restricted, so that all members of the Senate

do not necessarily belong to one or other of the Faculties, which consist mainly of the professorial staff who have a preponderating voice in academic matters. The Syndicate is on the other hand a business and not an academic Committee of the Senate. The Executive Government of the University including the general supervision and control over the colleges is vested in the Council, which is the highest governing body of the University and practically performs most of the functions of Government in British Indian Universities.

The Osmania University College was opened in August 1919. The enrolment in the various classes has been most encouraging and the College has now 1023 students on its rolls. The first Intermediate Examination was held in April 1921, and the first B. A. Examination in 1923. As there is more than one paper in every subject it has been found possible to have external examiners in all subjects, who are generally professors in other Universities. They have expressed satisfaction with the standard reached by the students. It may be noted that the University does not experience any difficulty in securing the services of highly qualified examiners from other Universities, as Urdu is a language widely known in every part of India specially in the North.

A staff of three Professors and ten Assistant Professors was originally sanctioned to meet the requirements of an Intermediate College, but in view of the opening of the B. A. and subsequently the M. A., M.Sc. and LL.B classes a number of new appointments has been created and the sanctioned staff of the Osmania University College now consists of the following:—

24 Professors	..	Rs.	500-50-1,000
1 Professor	..	B.G.	1,500
2 Professors	..	"	600-800
28 Readers	..	"	350-25-600
27 Lecturers	..	"	250-15-400
1 Librarian	..	"	250-15-400
1 Medical officer	..	"	300

New buildings of the University are being constructed at Adikmet at about four miles from the city at an estimated cost of about 2.22 crores of rupees. As these buildings will take some time to be built temporary buildings have been constructed at a cost of nearly ten laes of rupees which are quite adequate for the present requirements of the University. The permanent Arts building which will cost nearly 27 laes of rupees is nearing completion, and two commodious double-storied hostels are also ready.

The University is at present imparting instruction in the Faculties of Arts, Theology, Science, Medicine, Engineering, Law and Education and the total number of students is 1806.

The increasing number of students in the Intermediate classes in the University College has led to the opening of Intermediate colleges in the City of Hyderabad and at Aurangabad, Warangal and Gulbargah. Intermediate classes are also attached to the Zenana School, Nampalli. Degree courses in Arts and Science have now been introduced into this institution, so as to bring the blessings of higher education within the reach of *pardah* ladies.

The budget provision for the various Departments of the University for the year 1346 Fasli (October 1936 to October 1937) is as follows:—

	Rs.
Registrar's Office ..	202439
Osmania University College..	728439
Women's College ..	57827
Medical College ..	203540
Training College..	23560
Engineering College ..	241005
City Intermediate College ..	58478
Aurangabad Intermediate College ..	56302
Warangal Intermediate College ..	32648
Gulbargah Intermediate College ..	35096
Translation Bureau ..	241750
University Press ....	144173
Nizamiah Observatory ..	40387
Total ..	<u>2065644</u>

# THE OSMANIA UNIVERSITY

## Patron

HIS EXALTED HIGHNESS

LIEUTENANT-GENERAL, SIPAH SALAR, ASIFJAH,  
MUZAFFAR-UL-MULK WAL MAMALIK,  
NIZAM-UL-MULK, NIZAM-UD-DAULAH,  
NAWAB SIR MIR OSMAN ALI KHAN BAHADUR,  
FATEH JUNG,  
FAITHFUL ALLY OF THE BRITISH GOVERNMENT,  
G.C.S.I., G.B.E., NIZAM OF HYDERABAD AND BERAR,  
SULTAN-UL-ULUM.

## Chancellor

RT. HON'BLE SIR AKBAR HYDARI, NAWAB HYDER NAWAZ JUNG  
BAHADUR, P.C., KT., LL.D.

## Vice-Chancellor

NAWAB MAHDI YAR JUNG BAHADUR  
M.A. (Oxon.).

## Pro-Vice-Chancellor

QAZI MUHAMMAD HUSAIN Esq., M.A. (Punjab), B.A. LL.B.  
(Cantab.). (Acting)

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*Ex-Officio.*

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The Vice-Chancellor.

The Pro-Vice-Chancellor.

The Ecclesiastical Member, Executive Council (Nawab  
Mirza Yar Jung Bahadur).

The Finance Member, Executive Council (Nawab Fakhr  
Yar Jung Bahadur, B.A.).

The Secretary, Educational Department (Muhammad Az-  
har Husain Esq., B.A.).

The Director of Public Instruction (Khan Fazl Muhammad  
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The Principal, Medical College (Dr. H. Hyder Ali Khan,  
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The Principal, Engineering College (Samiullah Shah Esq.,  
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The Principal, Women's College (Dr. A. Pope, L.R.A.M.,  
A.R.C.M. (London) M.A., D.Litt., (Ald.), S.C.A.A. (Iris.)).

*Appointed by Government.*

R. M. Crofton, Esq., I.C.S.

Raja Shamraj Rajwant Bahadur.

Director, Medical and Sanitation Departments. (Col. J. Norman Walker, C.I.E., I.M.S.).

*Vacant.*

Nawab Jiwan Yar Jung Bahadur.

**REGISTRAR**

H. A. Ansari, Esq., B.A.

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The Vice-Chancellor.

The Pro-Vice-Chancellor.

The Ecclesiastical Member, Executive Council (Nawab Mirza Yar Jung Bahadur).

The Finance Member, Executive Council (Nawab Fakir Yar Jung Bahadur, B.A.).

The Secretary, Educational Department, (Muhammad Azhar Hosain, Esq., B.A.), (Acting).

The Director of Public Instruction, (Khan Fazl Muhl. Khan, Esq., M.A., (Cantab.)).

The Principal, Medical College (H. Hyder Ali Khan, Esq., F.R.C.S. (Edin.)).

The Principal, Engineering College (Samiullah Shah, Esq., B.Sc. (Manchester)).

The Principal Women's College (Dr. A. Pope.).

R. M. Crofton Esq., I.C.S.

Director, Medical and Sanitation Departments. (Col. J Norman Walker, C.I.E., I.M.S.).

Raja Shamraj Rajwant Bahadur.

Nawab Jiwan Yar Jung Bahadur.



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*(Elected by the Senate from the Faculties.)*

Sajjad Mirza, Esq., M.A. (Cantab.).

*(Elected by the Senate from the list of Registered Graduates.)*

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Mahmud Ahmad Khan, Esq., B.Sc.

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C.S.I.

Nawab Sir Nizam Jung Bahadur, Kt., M.A. (Oxon.).

Nawab Nazir Jung Bahadur.

Nawab Siraj Yar Jung Bahadur, M.A., B.C.L., (Oxon.)  
LL.D.

Nawab Fakhr Yar Jung Bahadur, B.A.

Nawab Hashim Yar Jung Bahadur, M.A., LL.B.

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Nawab Asghar Yar Jung Bahadur, B.A. (Oxon.), Bar-  
at-Law.

Raja Bishesharnath Sahib, B.A., LL.B.

#### THE SYNDICATE.

(For 1346—1348 F.)

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(Cantab.).

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Syed Muhd. Azam, Esq., M.A. (Cantab.).

#### FACULTY OF THEOLOGY.

(For 1346 and 1347 Fasli).

1. Nawab Nazir Yar Jung Bahadur, M.A., LL.D. (Dean).
2. Maulvi Abdul Qadeer Sahib.
3. Abdul Haq, Esq., B.Litt., D.Phil. (Oxon.).
4. Maulvi Abdullah Emadi Sahib.
5. Mufti Abdul Latif Sahib.
6. Haroon Khan Sherwani, Esq., M.A. (Oxon.) Bar-at Law.
7. Maulvi Muhd. Elias Burney Sahib, M.A., LL.B. (Alld.).
8. Maulvi Hamidullah Sahib, M.A., LL.B. (Osm.), Ph.D.  
(Bonn.), D.Litt. (Paris).

9. Maulvi Zahiruddin Sahib, M.A. L.T., D.Litt. (Egypt).
10. Maulvi Syed Muhiuddin Sahib, B.A. Bar-at-Law.
11. Abdul Qadir Sahib, M.A.
12. Maulvi Abdul Bari Sahib Nadvi.
13. Maulvi Manazir Ahsan Sahib Gilani.
14. Maulvi Syed Hashim Sahib Nadavi.
15. Maulvi Hakim Maqsood Ali Khan Sahib.

#### FACULTY OF ARTS.

(For 1346 and 1347 Fashi).

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3. Kishen Chand, Esq., M.A. (Cantab.).
4. Qazi Muhammad Husain, Esq., B.A., LL.B. (Cantab.).
5. Haroon Khan Sherwani, Esq., M.A., (Oxon.), Bar-at-Law.
6. Husain Ali Khan, Esq., B.A. (Oxon.).
7. Muhammad Elias Burney, Esq., M.A., LL.B.
8. Khalifa Abdul Hakim, Esq., M.A., LL.B., Ph.D. (Heidelberg).
9. Sayyid Muhammad Azam, Esq., M.A. (Cantab.).
10. Abdul Haq, Esq., B.Litt., D.Phil. (Oxon.).
11. Muhammad Nizamuddin, Esq., Ph.D. (Cantab.).
12. Maulvi Abdul Haq Sahib, B.A.
13. Qadir Husain Khan, Esq., M.A. Bar-at-Law.
14. Dr. Amina Pope, M.A., D.Litt. (Allahabad).
15. Khan Fazl Muhd. Khan, Esq., M.A., (Cantab.).
16. Sayyid Ali Akbar, Esq., M.A. (Cantab.).

#### FACULTY OF SCIENCE.

(For 1346 and 1347 Fashi).

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3. Dr. Haji Hyder Ali Khan, F.R.C.S.E.
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5. Sayyid Muhammad Azam, Esq., M.A., B.Sc. (Cantab.).
6. Wahidur Rahman, Esq., B.Sc.
7. Muzaffaruddin Quraishi, Esq., M.Sc., Ph.D. (Berlin).
8. Kishen Chand, Esq., M.A. (Cantab.).
9. Sayyid Husain, Esq., M.Sc., Ph.D. (London).
10. Samiullah Shah, Esq., B.Sc. Hons. (Manchester).  
A.M.I.C.E.

11. M. Sayeeduddin. Esq., M.A. (Edin.).
12. J. C. Kameshwar Rao, Esq., D.Sc.
13. Khwaja Habib Hasan, Esq., M.Sc. (Leeds), Ph.D. F.C.S.
14. Raziuddin Siddiqi, Esq., M.A. (Cantab.), Ph.D. (Gottin-gen).
15. B. K. Das, Esq., D.Sc. (London).
16. Qazi Moinuddin, Esq., Ph.D. (London).

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(For 1345 and 1346 Fash).

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2. Nawab Zulqadar Jung Bahadur, M.A. (Cantab.). Bar-at-Law.
3. Nawab Hashim Yar Jung Bahadur, M.A., LL.B.
4. Nawab Sir Amin Jung Bahadur, M.A., B.L., LL.D., K.C.I.E., C.S.I.
5. Nawab Nazir Yar Jung Bahadur, M.A., LL.D.
6. Raja Bishesharnath Sahib, B.A., LL.B.
7. Muhammad Abdul Rahman Khan, Esq., B.A., B.Sc. (London).
8. Hosain Ali Mirza, Esq., Barrister-at-Law.
9. Mir Akbar Ali Musavi, Esq., B.A., LL.B. (Bombay).
10. Qazi Muhd. Husain, Esq., B.A., LL.B. (Cantab.).
11. Mirza Hosain Ali Khan, Esq., B.A. (Oxon.), Bar-at-Law.
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14. Mir Valiuddin, Esq., M.A., Ph.D. (London).
15. Akbar Ali Khan Esq., Bar-at-Law.
16. Khaliuz-Zaman, Esq., Bar-at-Law.

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(For 1346 and 1347 Fash).

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3. Lt.-Col. Muhammad Ashraf, M.B., Ch.B. (Edin.).
4. M. M. Siddiq Hosain, Esq., M.R.C.S. (Eng.), M.R.C.P. (Lond.).
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(For 1346 and 1347 Fashl).

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8. M. Gopalan, Esq.
9. Md. Hafeezullah, Esq., B.Sc. (Alld.).
10. The Professor of Mechanical Engineering.
11. The Professor of Physics.
12. The Professor of Chemistry.
13. The Professor of Mathematics.
14. S. P. Raju, Esq., B.A. (Mad.), B.E. (Poona.), A.M.I.E. (Ind.)  
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#### FACULTY OF EDUCATION.

(For 1346 and 1347 Fashl).

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(*Dean*).
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3. Sayyid Ali Akbar, Esq., M.A. (Cantab.).
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6. Sayyid Muhammad Azam, Esq., M.A. (Cantab.).
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13. S. Wahajuddin, Esq., B.A., B.T.
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#### BOARDS OF STUDIES.

(For 1346 and 1347 ).

##### *English.*

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2. E. E. Speight, Esq., B.A. (London.).
3. F. J. A. Harding, Esq., B.A. (Oxon.),
4. Sayyid Abdul Latif, Esq., B.A., Ph.D. (London).
5. T. Virabhadru, Esq., M.A.
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7. M. S. Doraiswami, Esq., M.A., L.T.

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3. Maulvi Abdul Qadir Sahib.
4. Maulvi Ghulam Nabi Sahib.
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6. Zahid Ali, Esq., D.Phil. (Oxon.).
7. Maulvi Sayyid Ibrahim Sahib.

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5. Maulvi Ghulam Nabi Sahib.
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3. Khalifa Abdul Hakim, Esq., M.A., LL.B., Ph.D. (Heidelberg).
4. Sayyid Sajjad Husain, Esq., M.A., Ph.D. (London).
5. Pandit Hari Har Shastri.
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4. D. C. Bhogle, Esq., B.A.
5. Mr. Abdul Haq, B.A.
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2. R. V. Somayajulu, Esq.
3. S. Hanmant Rao, Esq., M.A.
4. S. V. Shastri, Esq., M.A.
5. Elandla Sita Ram Rao, Esq., M.Sc.
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3. G. A. Chandarvarkar, Esq., M.A.
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4. Muhammad Jamilur Rahman, Esq., M.A.
5. Abdul Majeed Siddiqi, Esq., M.A.
6. Yusuf Husain Khan, Esq., D.Litt. (Paris).
7. Ishwarnath Topa, Esq., Ph.D. (Freiberg).

#### *Economics and Sociology.*

1. Muhammad Elias Burney, Esq., M.A., LL.B.
2. Jafar Hasan, Esq., Ph.D. (Heidelberg).
3. Ahmad Muhiuddin, Esq., B.A. (Cantab.).

4. Sayyid Ali Akbar, Esq., M.A. (Cantab.)
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6. Mahmud Ali, Esq., M.A.
7. E. Gideon, Esq., M.A. (Cantab.).

### *Philosophy.*

1. Nawab Sir Amin Jung Bahadur, K.C.I.E., C.S.I., LL.D., F.R.A.S.
2. Khalifa Abdul Hakim, Esq., M.A., LL.B., Ph.D. (Heidelberg).
3. Maulvi Abdul Bari Sahib.
4. Mutazid Waliur Rahman, Esq., M.A.
4. T. P. Bhaskaran, Esq., M.A., F.R.A.S.
5. Mir Valiuddin, Esq., M.A., Ph.D. (London).
6. M. Salahuddin, Esq., M.A. (Dacca).

### *Mathematics.*

1. Muhammad Abdul Rahman Khan, Esq., B.A., B.Sc. (London).
2. Qazi Muhammad Husain, Esq., B.A., LL.B. (Cantab.).
3. Kishen Chand, Esq., M.A. (Cantab.).
5. Raziuddin Siddiqi, Esq., M.A., (Cantab.), Ph.D. (Göttingen.).
6. Sayyid Muhammad Azam, Esq., M.A. (Cantab.)
7. Samiullah Shah, Esq., B.Sc. Hons. (Manchester),

### *Physics.*

1. Muhammad Abdul Rahman Khan, Esq., B.A., B.Sc. (London).
2. Qazi Muhammad Husain, Esq., B.A., LL.B. (Cantab.).
3. Wahidur Rahman, Esq., B.Sc. (Cal.).
4. Nasir Ahmad, Esq., M.A., B.Sc.
5. Sayyid Muhammad Ali Khan, Esq., B.Sc. Hons. (Lond.).
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### *Chemistry.*

1. Muzaffaruddin Quraishi, Esq., M.Sc., Ph.D. (Berlin).
2. Qazi Muinuddin, Esq., M.Sc., Ph.D. (London).
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4. Mahmud Ahmad Khan, Esq., B.Sc.
5. Sayyid Husain, Esq., M.Sc., Ph.D. (London).
6. Ram Rao Pervatkar, Esq., M.A.
7. Syed Muhd. Azam, Esq., M.A., (Cantab.).
8. Wahidur Rahman, Esq., B.Sc. (Cal.).



*Biology.*

1. Dr. Haji Hyder Ali Khan, F.R.S.C.E.
2. S. W. Hardikar, Esq., M.D. (Edin.).
3. M. Sayeeduddin, Esq., B.Sc., M.A. (Edin.).
4. Abdul Bari, Esq., MSc.
5. B. K. Das, Esq., D.Sc. (London).
6. Muhammad Rahimullah, Esq., M.Sc.
7. Captain K. N. Waghray, M.B.B.S., M.R.C.P. (England).
8. Syed Abdul Rahman, Esq., M.B., Ch.B. (Edin.).

*Domestic Economy.*

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2. Mrs. M. Engler, M.A., L.T.
3. Miss G. M. Linnell.
4. Mrs. Abdul Qaiyum Khan.
5. Miss Saifullah Khan, B.A.
6. Mrs. Hosain Ali Khan.

*Muslim Theology.*

1. Muhammad Abdul Rahman Khan, Esq., B.A., B.Sc. (Lond.).
2. Maulvi Abdul Qadir Sahib.
3. Maulvi Manazir Ahsan Sahib Gilani.
4. Maulvi Abdul Bari Sahib.
5. Mufti Abdul Latif Sahib.
6. Nawab Nazir Yar Jung Bahadur, M.A., LL.D.

*Morals.*

1. Khalifa Abdul Hakim, Esq., M.A., LL.B., Ph.D. (Hiedelberg).
2. Zahiruddin Ahmad, Esq., D.Litt. (Egypt).
3. Yusuf Ali, Esq., M.A.
4. R. Subba Rao, Esq.
5. Pandit Hari Har Shastri.
6. Qari Qutbuddin, Esq., B.A. (Osm.), L.es.L. (Egypt).
7. Shiv Mohan Lal, Esq., M.A.

#### 4. SUCCESSION LISTS.

##### *Chancellors.*

1328-1329 F. (1918-1919)	The Prime Minister.
1330 Fasli (1920)	Sir Sayyid Ali Imam, K.C.S.I.
1331 Fasli (1922)	Nawab Sir Faridoon Mulk Bahadur, K.C.S.I., C.S.I., C.B.E.
1333 Fasli (1924)	Nawab Wali-ud-Daula Bahadur.
1336-1346 F. 1926-1937	Maharaja Sir Kishan Pershad Bahadur, Yamin-us-Saltanat, G.C.I.E.
1346 Fasli (1937)	Rt. Hon'ble Sir Akbar Hydari Nawab Hydar Nawaz Jung Bahadur, Kt. P.C., M.L.D.

##### *Vice-Chancellors.*

1328 Fasli (1918)	Maulvi Habibur Rahman Khan Sherwani (Nawab Sadr Yar Jung Bahadur).
1330 Fasli (1920)	Nawab Wali-ud-Daula Bahadur.
1333 Fasli (1924)	Educational Member, Executive Council.
1336 Fasli (1926)	Nawab Wali-ud-Daulah Bahadur.
1345 Fasli 1936	Nawab Mahdi Yar Jung Bahadur M.A. (Oxon.).

##### *Pro-Vice-Chancellors.*

1343-45 1934-1936	A. H. Meckenzie, D.Litt., C.S.I., C.I.E.
1345 (1936)	Qazi Md. Husain, Esq., B.A., LL.B. (Cantab.). <i>Officiating.</i>

##### *Secretaries, University Council.*

1328 Fasli (1918)	A. Hydari, Esq., B.A., (Rt. Hon. Sir Akbar Hydari Nawab Hydar Nawaz Jung Bahadur).
Far. 1329 F. (Feb. 1920)	Sir Sayyid Ross Masood, B.A. (Oxon), Barrister-at-Law, (Nawab Masood Jung Bahadur).

- Khd. 1329 F. A. Hydari, Esq., B.A., (Rt. Hon. Sir Akbar  
(April 1920) Hydari Nawab Hydar Nawaz Jung  
Bahadur).
- 1330 Fasli Nawab Zulqadar Jung Bahadur, M.A.,  
(1921) (Cantab.) Barrister-at-Law.
- 1332 Fasli Nawab Akbar Yar Jung Bahadur.  
(1922)
- 1336 Fasli Nawab Zulqadar Jung Bahadur, M.A.,  
(1927) (Cantab.) Barrister-at-Law.
- 1338 Fasli Nawab Akbar Yar Jung Bahadur.  
(1929)
- 1342 Fasli Nawab Zulqadar Jung Bahadur, M.A.,  
(1933) (Cantab.) Barrister-at-Law.
- 1346 Fasli Md. Azhar Hussan, Esq.  
1937
- Registrars.*
- 1328 Fasli Sayyid Muhiuddin, Esq., B.A., Barrister-  
(1919) -at-Law.
- 1329 Fasli H. A. Ansari, Esq., B.A.  
(1920)
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## THE ROYAL CHARTER.

Promulgated with His Exalted Highness' Firman dated the 16th Zilhijja 1337 Hijri (17th Aban 1327 F., 22nd September 1918) published in Gazette Extraordinary, Volume XLIX, No. 64 of the 30th Aban 1327 Fasli (5th October 1918).

*Whereas the prosperity and well being of our devoted and loyal subjects are the objects of our most earnest solicitude, and whereas these objects can be secured only when the existing organisation of education in our Dominions is freed to an appreciable extent from the control of outside Universities, and higher education is organised within the State, with reference to local needs and conditions; We are pleased to order:—*

*1. that a University called the Osmania University be established at Hyderabad on the first day of Muharram 1337 Hijri.*

*2. the object of the Osmania University is to provide higher education, in theology, morals, literature, philosophy, science history, medicine, law, agriculture and commerce, besides providing instruction in arts, industries and other useful branches of knowledge and promoting research in all of these subjects.*

*3. the chief characteristic of the Osmania University will be that instruction will be imparted in all branches of learning through the medium of the Urdu language while a study of the English language and literature will be compulsory.*

*4. The University shall have power—*

*(a) to provide for instruction in all such branches of learning as the University may decide and also for research, and for the advancement and dissemination of knowledge.*

*(b) to grant to and confer degrees and other academic distinctions on persons who shall have pursued a prescribed course of study in, and passed the examinations held by the University.*

*(c) to grant diplomas, certificates or other distinctions to persons who have pursued a course of study under conditions approved by the University.*

*(d) to admit graduates of other Universities to degrees of the same or similar rank.*

*(e) to confer honorary degrees, or other distinctions.*

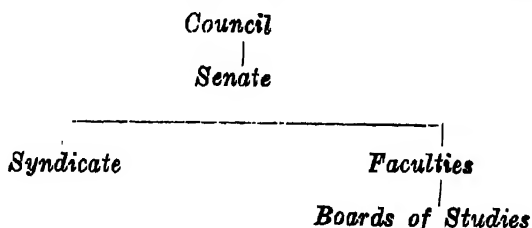
*(f) to withdraw or cancel degrees, diplomas, certificates or other distinctions granted or conferred, and*

- (g) *to exercise all such other powers and to do all such other acts as may be required in order to further the objects of the University and to carry on its work.*

5. *The University shall be able and capable in law to take, purchase, and hold any property movable or immovable which may become vested in it for the purposes of the University by purchase, grant, testamentary disposition or otherwise, and shall be able and capable in law to grant, demise, alien or otherwise dispose of, all or any of the property, movable or immovable belonging to the University; and also to exercise such other powers and do other acts incidental or appertaining to a body corporate.*

6. *The University shall be able and capable to establish colleges on its initiative, or to exercise all of its powers with regard to colleges founded for it or transferred to its control, or to those to which it recognises as colleges, and all these shall be deemed to be its constituent colleges.*

7. *The organization of the University will be as follows:—*



8. *We shall be pleased to be the Patron of the University, and the other officers and executive bodies shall be as follows:—*

- (1) *The Chancellor.—The Chancellor shall be the highest controlling authority of the University and may at any time direct an inspection and supervision of the University institutions, including buildings, laboratories and other appurtenances generally, and to direct the inspection of one or all of these for the purpose of seeing that the proceedings of the University are in conformity with this Charter and the rules framed thereunder.*

*The Chancellor may also by order in writing annul any proceedings which is not in his opinion in conformity with this Charter and the rules framed thereunder.*

*His Excellency the Minister shall be the ex-officio Chancellor of the University.*

8. *We shall be pleased to be the Patron of the University,*  
 (2) *The Vice-Chancellor.—The Assistant Minister of Education or the officer charged with the administration of the University shall be the Vice-Chancellor of the University and he shall take rank in the University next to the Chancellor.*

*He shall exercise general supervision over the educational arrangements of the University, and it shall be his duty to see that the provisions of this Charter and the rules framed thereunder are faithfully observed.*

*If any emergency arises the Vice-Chancellor shall be empowered to pass such orders or to take such action as he deems necessary and intimate the fact to the officer who in the ordinary course would have dealt with the matter.*

- (3) *The Council.—The Executive Government of the University including the general superintendence and control over the Constituent Colleges shall be vested in the Council; provided that the Government may by rules framed in this behalf from time to time reserve to themselves such powers relating to the appointment, punishment, removal and leave of the officers as they may deem fit.*

*The Council shall consist of not less than nine and not more than eleven members excluding principals of Constituent Colleges and shall comprise:—*

- (i) His Excellency the Minister.*
- (i) The Assistant Minister, Education, or the Officer charged with the Administration of the University.*
- (iii) The Assistant Minister, Ecclesiastical Department.*
- (iv) The Assistant Minister of Finance.*
- (v) The Secretary to Government, Education Department.*
- (vi) The Director of Public Instruction.*
- (vii) The Principals of Constituent Colleges.*
- (viii) The remaining members appointed by the Government.*

*The Secretary to the Government, Education Department will be the Secretary to the Council,*

- (4) *The Senate.*—*The Senate shall, subject to this Charter and the rules framed thereunder, have the entire charge of the organization of instruction in the University and the Constituent Colleges, the curriculum, and the examination and discipline of students and the conferment of ordinary and honorary degrees.*

*The Senate shall consist of such number of members not less than forty and not more than seventy as may be fixed from time to time by the Chancellor. Such members shall be styled Fellows and shall hold office for a term of two years and their powers and duties shall be set forth in detail in the rules.*

*The first members of the Senate shall be appointed for that period by Government.*

*After the lapse of the said term of two years, the Senate shall be composed of—*

- (a) *The Vice-Chancellor and the other members of the Council mentioned in Section (3).*
  - (b) *The University Professors.*
  - (c) *Four members elected by the Senate, two from the list of registered graduates and two from members of the Faculties.*
  - (d) *The remaining members nominated by the Chancellor provided that the election and nomination of persons as Fellows shall be so regulated as to secure in the Senate a majority of persons connected with or following the profession of education.*
- (5) *The Syndicate.*—*The Syndicate will be the business committee of the Senate and will consist of not less than 5 nor more than 7 members of the Senate, and its powers and duties shall be set forth in detail in the rules.*
- (6) *Faculties.*—*These will be academical Committees of the Senate, entrusted with the framing of curricula and arranging for examinations and other matters. These Committees will be appointed from time to time in accordance with rules framed hereafter, and for each branch of knowledge there will be a separate Faculty. The University shall include at present the Faculties of Arts and Theology.*

*Each Faculty shall be composed of not less than 12 nor more than 16 members of whom at least two in excess of half the number shall be from the Professors of the University.*

*Each Faculty shall elect from among its members a Dean.*

*A Faculty shall have power to consider and report on any matter referred to it by the Senate or by the Council.*

- (7) *Boards of Studies.—There shall be a Board of Studies in Theology and for every branch of knowledge.*

*The members of the Boards shall be recommended by the Faculties to the Senate and on its recommendation appointed by the Council and shall consist of University Professors and other persons possessing special knowledge of the subjects dealt with by the Boards to which they are appointed.*

*The duties of the Boards shall be to recommend to the Faculties text-books for study and for translation, courses of study and examiners in their respective departments, and generally to advise in all matters referred to them by the Council or by the Faculty to which they belong.*

- (8) *Board of Audit.—This Board will be empowered to audit all the accounts of the University and of its property, etc.. It shall be appointed every year by the Senate and shall consist of three Fellows not being members of the Council. The accounts of the University shall also be audited on behalf of Government every year, by an officer appointed for the purpose by Government, the interval between each audit being not more than 15 months.*

*The Government auditor shall have access to all the accounts and offices of the University.*

- (9) *Registrar.—The Registrar shall also be Secretary to the Senate and Syndicate. The Registrar may be a member of the Senate or Syndicate but shall not be a member of the Council.*

*The Registrar shall be appointed by Government on the recommendation of the Council but the first Registrar shall be appointed by Government.*

- (10) *Other persons and bodies in the rules in force.*

9. *The Council may, subject to the provisions of this Charter and the rules in force, appoint Committees consisting of Fellows of the University and also, if the Council think fit, of persons who are not Fellows of the University, and may delegate to such*



*Committees such duties as they think fit, as regards administrative or other matters affecting the University or any particular Faculty or Department, or the management or supervision of any building or property of the University.*

*The Senate, the Faculties and the Boards of Studies, shall be similarly empowered to appoint such committees within their respective spheres.*

10. *The University shall, in the discharge of its functions, use a seal, the design of which has been approved by us.*

11. *Subject to the provisions of this Charter and the rules in force the Council may from time to time make any rules and regulations required for carrying out all or any of the purposes of this Charter.*

*The Council may from time to time make additional rules or amend or repeal the rules in force, but all new rules and additions to the rules and all amendments and repeals of the rules shall, before they come into effect, require the previous approval of the Government who will be empowered to pass suitable orders thereon.*

*The first rules shall be framed and enforced by Government.*

12. *The Senate shall have power to draft and propose to the Council rules to be made by the Council and it shall be the duty of the Council duly to consider the same.*

13. *All grants made by Government from time to time and all sums paid or endowments made by private persons or local authorities, for the purposes of the University shall form a fund styled "the University Fund" which shall be at the disposal of the University to be employed for any of the purposes set forth in this Charter.*

14. *The Council shall have prepared and laid before the Senate every year, accounts of receipts and expenditure of the University. The budget after consideration by the Senate shall be submitted to Government and it shall be competent to Government to pass suitable orders on it.*

15. *The duties and powers of the University and its executive officers and bodies shall be set forth in further detail in the rules.*

(By Order)  
A. HYDARI,  
SECRETARY TO GOVERNMENT,  
Judicial, Police & General Departments.

# REGULATIONS

## CHAPTER I.

### PRELIMINARY DEFINITIONS.

*Definitions.*—In these rules unless there is something repugnant to the subjects or context:—

“THE CHARTER” means the “ROYAL CHARTER” dated the 16th Zilhijja 1336 Hijri.

“CLEAR DAYS” means a period exclusive of both the first and last days.

“THE JARIDAH” means the Jaridah-i-Ailamia Sarkar-i-Ali, i.e., His Exalted Highness the Nizam’s Government Gazette.

“THE RULES” means the rules of the Osmania University for the time being in force.

“THE UNIVERSITY” means the Osmania University.

“RESOLUTION” means an original proposal.

“MOTION” means any proposal moved either in the shape of a resolution or an amendment.

All words or expressions used in these Rules and defined in the Charter shall invariably bear the signification established by these definitions.

*Notices.*—Any notice, intimation or information required to be given, and any paper, minutes or proceedings required to be sent, to any person under the Rules shall, unless otherwise provided, be considered as despatched if it is sent to the address of that person, or forwarded by post.

*Addresses.*—Every Fellow of the University shall give an intimation of his address or change of address to the Registrar who shall keep a record in his office of the addresses of all Fellows. The last address communicated to the Registrar shall be deemed the correct address in each case.

## CHAPTER II.

### THE VICE-CHANCELLOR.

1. The Vice-Chancellor shall have the power to convene meetings of the Council and the Senate and to perform all such acts as may be necessary to carry out or further the objects of the Royal Charter and the rules thereunder.

2. If an emergency arises which in the opinion of the Vice-Chancellor requires immediate action, the Vice-Chancellor shall take such steps as he deems necessary and report the fact to the authorised officer who, in ordinary course, would have dealt with the matter.

3. In matters which are not touched upon in the Royal Charter or the Rules and in which he considers a reference to Government necessary, the Vice-Chancellor may make such reference to Government on such matters.

### CHAPTER III.

#### THE COUNCIL.

4. The nominated members of the Council shall hold office for a term of three years. Such memberships as fall vacant from time to time will be filled up by the Government. A member of the Council whose term has expired shall be eligible for re-nomination.

5. The Council shall submit to Government without delay copies of the proceedings of the Senate.

6. The Council shall meet ordinarily once a month and at other times when convened by the Vice-Chancellor. The Vice-Chancellor or in his absence, the senior member present, shall preside at the meetings.

7. Half the number of members shall constitute a quorum fractions being counted as whole numbers. All questions shall be decided by a majority of votes of the members present.

8. In accordance with the provisions of the Royal Charter and the Rules made in pursuance thereof, the Council shall, in addition to the powers vested in it, also exercise the following powers, viz:—

- (a) To determine from time to time the number of professors, assistant professors, etc., and other members of the teaching staff and the office establishment of the University and its constituent colleges.
- (b) In the case of appointments, within their power of disposal, to delegate, subject to the general control of the Council, the power of appointment to such authority or authorities as the Council may from time to time by general or special resolution direct.
- (c) To organise and regulate the finances, accounts, investments, property, business matters, and all other administrative works of the University and for that purpose to appoint such agents as they may think fit.
- (d) To invest any money belonging to the University including any unutilized income in stocks, funds, shares and securities or in the purchase of immovable property and to alter such investments from time to time.
- (e) To transfer or accept transfer of any movable or immovable property on behalf of the University.

- (f) To provide buildings, lands, furniture and apparatus and other accessories needed for carrying on the work of the University.
- (g) To enter into, alter and cancel, contracts on behalf of the University.
- (h) To entertain, adjudicate upon and redress any grievances of the professors, the teaching staff, the graduates, the undergraduates and the University servants, who may for any reason feel aggrieved.
- (i) To maintain a register of donors to the University.
- (j) To draft rules as and when they see fit and submit the same to the Government for consideration and approval.

The following additional powers were delegated to the Council in accordance with His Exalted Highness the Nizam's Firman dated the 20th Rajab 1340 Hijri, 16th Ardibehisht 1331 F.—20th March 1922:—

- (1) To transfer any expenditure from one sub-head to another.
- (2) To sanction all kinds of leave to any officer, whose leave the Principal, the Registrar or the Curator is not authorised to sanction, and also to cancel the same.
- (3) To sanction *amal-i-taynati* from one office of the University to another.
- (4) To change the designation of any non-gazetted appointment.
- (5) To sanction arrears of pay or travelling allowance due to an officer of the University for any period.
- (6) To depute officers of the University to places outside the Dominions to attend Scientific Conferences, to study the working of other Universities or to purchase stores or apparatus for the University or for any other purpose in the interests of the University.
- (7) To sanction the payment of full salary to the officiating officer, when the permanent incumbent avails of extraordinary leave.
- (8) To commute absence without leave into leave of any kind to which an officer is entitled under the Rules provided the period of absence does not exceed six months.
- (9) To sanction furlough (*rukhsat-i-khangi*) to officers of the University up to a limit of three years for purpose of study irrespective of the length of their services.

- (10) To sanction holidays and vacations for the colleges and offices of the University or to close the colleges and offices during epidemics.
- (11) To sanction rates of remuneration for books translated on piece-work.
- (12) To sanction extension in the services of officers of the University up to a limit of 60 years.
- (13) To start a newly appointed officer on a salary above the minimum pay of the grade.
- (14) Notwithstanding anything to the contrary in Articles 113 and 117 of the Civil Service Regulations, the Council of the Osmania University will be competent to sanction allowances for plural appointments in the colleges or offices of the University subject to the general condition that the cost of these arrangements should on no account exceed the provision in the budget for the appointments.

*N.B.*—If the Financial Member differs in any financial matter from the view taken by the majority the case shall be referred to Government.

## CHAPTER IV.

### 1. THE SENATE.

9. In accordance with the provisions of Section 8 (1, 2, 3, 4, 5 and 6 of the Charter) dated 16th Zilhijja 1336 Hijri (22nd September 1918), the Chancellor, the Vice-Chancellor, the Secretary to Government, Education Department, the Director of Public Instruction, the Councillors, the Deans of the Faculties of Theology and Arts and the Fellows of the University, shall have seniority and precedence first, in the order above specified down to the Deans; and secondly, according to their official precedence in the case of *ex-officio* Fellows and thirdly, in the case of the remaining Fellows according to the sequence of their original appointments.

10. The election of members shall be subject to the approval of the Chancellor.

11. The Chancellor may, on the representation of two-thirds of the members of the Senate, cancel the appointment of any person as a Fellow of the University, and as soon as such cancellation is notified in the *Jarida*, the said person shall cease to be a Fellow. When a member is charged with gross misbehaviour unfitting his office, the Senate will hear him or any other member nominated by him on his behalf before reporting the matter to the Chancellor.

12. Every Fellow elected and nominated under the Rules shall be eligible for re-election or nomination at the close of his term of office.

13. All casual vacancies among elected members shall be filled up by the body which elected the member who held the vacant membership.

## 2. POWERS OF THE SENATE

14. In accordance with the provisions of the Royal Charter and Rules made in pursuance thereof, the Senate shall among other powers also have the following powers:—

- (a) To discuss and declare an opinion on any matter whatsoever relating to the University.
- (b) To suggest to the Council the removal of any professor or teacher of the University or the appointment of additional professors or other teachers.
- (c) To formulate, modify or revise schemes for the organization of the Faculties of the University and to assign to such Faculties their respective subjects and also to report to the Council regarding the expediency of the abolition, amalgamation or sub-division of any Faculty.
- (d) To institute and confer such degrees and grant such Diplomas, Licenses, Certificates, and other distinctions in respect of courses of study and examination: as may be prescribed in the Rules.
- (e) To make rules regarding the academic apparel of graduates, holders of distinctions and officers of the University.
- (f) To fix, subject to conditions made by the founder and accepted by the University rules and regulations and terms of competition for fellowships, scholarships and other prizes and to award the same.
- (g) To report on any matter transferred or delegated to them by the Council.
- (h) To promote research within the University and to call for reports on the subject from time to time.
- (i) To maintain a Register of Graduates.

## 3. MEETINGS OF THE SENATE.

15. The Senate shall meet ordinarily once a year in the month of Amardad. If deemed necessary by the Vice-Chancellor, meetings may be convened at other times also. A copy of the proceedings of such meetings must be sent to the Council.

16. The Vice-Chancellor shall convene a meeting of the Senate on the requisition of any six Fellows.

17. Twenty members shall constitute a quorum and all questions shall be decided by a majority of votes of the members present.

18. Any member of the Senate shall be empowered to bring forward a resolution dealing with any matter pertaining to the proceedings of the Faculties or of the Syndicate or with any question concerning the budget or otherwise connected with the affairs of the University. Such resolution, if carried, shall be forwarded to the Council and the Council shall inform the Senate in due course of the action taken. Should the Senate be not satisfied with or disapprove of the course of action adopted by the Council, it shall have power to make a representation to Government on the subject.

19. Such proposals and amendments only as are immediately connected with the Osmania University and are in accordance with the Royal Charter shall be entertained and debated in the Senate.

#### 4. CONVOCATION.

20. A convocation for conferring degrees shall be held on the fourth Monday in Azar or if that day happens to be a holiday, on the next working day or on such other graduation day as may be appointed by the Chancellor or Vice-Chancellor.

21. Persons entitled to degrees and desirous of being admitted must apply in writing 10 days previously to the Registrar who will communicate their names together with the necessary certificates to the respective Deans of Faculties for submission to the Senate on the next graduation day.

22. The Senate will, on the motion of the Dean of each Faculty or in his absence, the senior member of the Faculty respectively pass, the necessary graces in that behalf and the persons so approved shall be presented to the Chancellor or Vice-Chancellor successively, the graduates in the Faculty of Theology taking precedence of those in Arts.

23. In special cases and at the discretion of the Syndicate candidates who have passed the examinations may be permitted to take their degrees *in absentia* on payment of an extra fee of Rs. 10.

#### 5. NOTICE AND PROCEDURE.

24. Sixteen clear days before the day fixed for a meeting of the Senate, the Registrar shall forward to each member of the Senate a statement of all business to be brought before the meeting and containing the full text of each resolution proposed to be put before the Senate with the name of the proposer of

each, a written intimation of which has previously been received by the Registrar. The inclusion of a report of any committee of the Senate in the Agenda paper shall be held to be equivalent to notice of a motion, for its adoption. Notice in writing of proposed amendments and the terms thereof and of motions for any change in the order of business as set forth in the statement must be forwarded so as to reach the Registrar five clear days before the meeting. The Registrar shall two clear days before the meeting forward to each member of the Senate a statement of all motions and amendments, and no motion or amendment of which such previous notice has not been given, shall be put to the meeting. The following motions may, however, be proposed without a previous entry in the Agenda paper:—

- (a) A motion for dissolution, adjournment or suspension of the sitting to pass to the next business on the Agenda paper.
- (b) A request to the Council to reconsider a question; or a direction to the Syndicate to review their decision.
- (c) A motion remitting the matter under consideration to the Syndicate or to a Faculty for report, or
- (d) An amendment admitted by the Chairman as purely formal.

## 6. ORDER OF BUSINESS.

25. The members shall, before they take their place, register their attendance in a book placed for the purpose at the entrance of the place of meeting.

26. Fifteen minutes after the time prescribed for the meeting, the Chairman shall ascertain whether there are twenty members present; if this number be not present, the meeting shall forthwith be adjourned to such a date as the Chairman may fix. Such adjournment shall be recorded by the Registrar under the signature of the Chairman. In case of a meeting adjourned for want of quorum, no quorum will be required to pass the adjournment.

27. At every meeting, unless the meeting, by special vote, otherwise determine, the order of business shall be as follows:—

- (a) The election of the Chairman if such election forms part of the business.
- (b) The signing of the minutes of the previous meeting or the meeting under adjournment.
- (c) The election of any official of the University, if such election forms part of the business of the meeting.
- (d) Any motion for a change in the order of business.



- (e) Such business and motions of which notice has been given according to the rules in the order in which such business and motions are entered in the Agenda Paper, and also motions to be brought forward subject to the provisions of this Rule and Rule 24.

## 7. RULES OF DEBATE.

### (1) *Motions.*

28. Every motion shall be affirmative in form and shall begin with the word "that."

29. Every motion shall be moved by the member in whose name it stands on the Agenda Paper; if he is absent or declines to move, it may be moved by any other member.

30. Every motion at a meeting must be seconded otherwise it shall drop. The seconder of a motion may reserve his speech.

31. When a motion has been seconded it shall be stated from the chair.

32. When a motion has thus been stated it may be discussed as a question to be resolved in the affirmative or as proposed to be changed by amendment.

When before or after debate no member rises to speak to the motion the chairman shall proceed to put the question to the vote in the manner hereinafter explained.

33. A substantive proposal once brought forward shall not be proposed a second time at the same meeting or at any adjournment thereof. A proposal substantially identical in part with one already disposed of at the same meeting or adjourned meeting, may be brought forward with the omission of such part.

34. Not more than one proposal and one amendment thereto shall be placed before the meeting at the same time. Each amendment shall be disposed of before the next is moved. All amendments which are not withdrawn under Rule 43, or which do not violate Rule 36, shall be debated and voted upon. In case no notice of amendment under Rule 24 has been given, the Senate shall proceed to consider and to vote upon the bare proposal.

### (2) *Amendments.*

35. No amendment shall be proposed which would reduce the original proposal to its negative form.

36. No amendment shall be proposed which raises a question already disposed of by the meeting or is adverse to any resolution passed by it.

37. The order in which amendments to proposal are to be brought forward shall be determined by the chairman in view of their object and logical inter-relation.

38. An amendment, the substance of which has been disposed of in part, may be modified by its proposer so as to retain only the parts not so disposed of.

39. When an amendment has been moved and seconded it shall be stated from the chair and then the debate may proceed on the original proposal and the amendment together; but if the question raised by the amendment is one on which a member has not yet spoken he may speak to that question though he had spoken to the original question or a previous amendment.

40. Every amendment shall be proposed in such form as may enable the modification of the original motion in any or all of the following ways:—

- (1) by addition of words;
- (2) by deletion of words;
- (3) by substitution of words;

and the mover may state how exactly the motion or the part thereof affected would stand when so amended.

41. If any amendment is so carried it shall become part of the motion before the Senate and the motion shall be modified accordingly.

42. When all the amendments of which due notice has been given, have been considered, the original motion or original motions as amended in the course of debate shall be placed before the Senate and put to the vote without further discussion.

### (3) *Withdrawal of a Question.*

43. No motion shall be withdrawn from the decision of the Senate without its unanimous consent. If the mover states his wish to withdraw a proposal or amendment and if no dissent is expressed during the interval allowed by the Chairman for the purpose, the Chairman shall declare that the question is withdrawn with the consent of the Senate.

### (4) *Resolution of the Senate into a Committee.*

44. The Senate may when it thinks fit resolve itself into a Committee to consider any item which may be on the Agenda Paper. A motion for the resolution of a meeting into a Committee may be made by any member at any time—but not so as to interrupt a speech—without the notice required under Rule 24. Such motion, however, can only be placed before the Senate for consideration if the Chairman has permitted it. No speech shall be allowed in moving such motion. No such motion shall be considered unless fifteen members rise in support thereof. The motion having thus been duly seconded shall be put to the meeting without further discussion and shall only be carried if two-thirds of the members present vote in its favour.

45. When the Senate decides in this manner to resolve itself into a committee the Chairman shall be the same as for the meeting of the Senate and the quorum shall be the same as for the meeting of the Senate.

The manner in which the discussion of the matter under consideration shall be conducted shall be left to the discretion of the Chairman.

When in the opinion of the Chairman the matter has been sufficiently discussed the committee shall embody its conclusions in a report to be signed by the Chairman. The period during which the Senate is sitting in the committee shall be considered as a suspension of the sitting of the Senate and immediately the committee terminates the Senate shall be again called to order by the Chairman and report of the Committee's deliberations presented to it by the Registrar. If a resolution passed by the Committee involves recommendations not covered by the original motion and the amendments to that motion on the Agenda of the meeting they shall not be considered by the Senate until notice of these has been given as required under Rule 24, and the meeting of the Senate shall be adjourned to allow such notice being given. A motion made as a result of the deliberations of such a Committee may be presented to the Senate without previous consideration by the Syndicate.

#### (5) *Adjournments, etc.*

46. A proposal "that this meeting be now dissolved" may be moved at any time as a distinct question but not as an amendment nor so as to interrupt a speech. If the motion is carried the business before the meeting shall drop.

47. A proposal "that the meeting be now adjourned" to some specified time, may be moved at any time as distinct question but not as an amendment nor so as to interrupt a speech. The Chairman himself can however make such a proposal while a member is speaking. If such proposal be negatived the debate shall be resumed. The same rule will apply to the meeting of the Senate Committee.

48. No amendment shall be moved to a proposal under last preceding Rule except one for substituting a different time for that to which it is proposed to adjourn the meeting.

49. A meeting renewed or continued after an adjournment is to be deemed one with that preceding the adjournment provided that if the meeting be adjourned to such date as to admit of the notice required under Rule 24, any amendments otherwise in order may be moved at any adjourned meeting if the notice so required is duly given,

50. The motion "that the meeting pass to the next business on the Agenda" may be made at any time as a distinct question but not as an amendment nor so as to interrupt a speech. If such a motion be carried the proposal under consideration and the amendments thereto shall not be further dealt with at the meeting.

51. No motion for the dissolution or for the adjournment of the meeting or for the suspension of the sitting or to pass to the next business, shall be made or spoken to during the debate by any member who has spoken in the debate. Any such motion shall take the place of any question that may be before the meeting and if not withdrawn must be disposed of before such question.

52. When a motion of the class contemplated in the last preceding Rule has been brought forward and negatived no other motion of that class shall be again brought forward until after the lapse of what the Chairman shall deem a reasonable time, nor shall a debate be allowed on such second or subsequent motion brought forward during a debate on the same proposal alone or the same proposal or amendment discussed together.

#### (6) *Miscellaneous.*

53. On each proposal or proposals and amendment in debate a member may speak once in accordance with the provisions of Rules 39 and 51.

54. The member who is first up at the conclusion of a speech has the right to be heard. In cases of competition the Chairman shall decide.

55. The mover of an amendment or when there is no amendment the mover of the original resolution may reply upon the debate before vote is taken; the mover of a motion for a dissolution or adjournment or for the suspension of the sitting or for the passing to the next business on the statement has, however, no right to reply.

56. No member shall speak to the question after the mover has entered on his reply.

57. The Chairman has the same right of moving or seconding a motion or amendment and of otherwise taking part in the debate as any other member. When the Chairman thus takes part in the debate he shall vacate the chair whilst he is addressing the meeting and the chair shall during such time be taken by the senior member present, not being the Chairman.

#### (7) *Points of Order.*

58. Any member may call the Chairman's attention to a point of order even whilst another member is addressing the meeting, but beyond stating the precise point of order raised,

he shall not make a speech. Such a call pronounced by the Chairman to be vexatious and any interruption or obstruction to the progress of the business before the Senate pronounced by the Chairman to be unseemly or unreasonable shall be deemed a breach of order.

59. The Chairman shall be the sole judge on any point of order and may call any member to order and if the member so called to order shall in speaking disregard such call the Chairman may direct him to sit down and thereupon another member may speak. In the event of any contumacious disregard of a ruling or call to order by the Chairman he may request the member so offending to leave the meeting and on such requisition being made to a member by name, he shall be suspended from his functions as a member during the meeting and shall be bound immediately to withdraw.

#### (8) *Voting.*

60. On putting any question to the vote the Chairman shall call for an indication of the opinion of the Senate by a show of hands in the affirmative and negative and shall declare the result thereof according to his opinion.

61. Any six Fellows may demand a division except on a motion for which under Rules 24 and 44 previous notice is not required.

62. In every division only such members as are present at the putting of the question shall be entitled to vote. Voting papers will be supplied by the Registrar and every voting paper shall be returned with or without the vote.

63. When the Chairman announces the division to be closed the Fellows shall state in writing the number on each side, sign the statement and hand it to the Chairman together with the voting papers arranged in two separate bundles.

The Chairman shall then declare the result of the division to the meeting and the result shall be recorded in the minutes.

64. If after a division five members present demand a recount the Chairman shall appoint two or more members to act with the Fellows who shall report the fact to the Chairman, and the latter shall thereupon declare the result which shall be conclusive.

65. Pending the recount the Chairman may either suspend the sitting or call for such business as may in his opinion be most conveniently proceeded with. But on the disposal of the business thus entered on the regular order of subjects if it had been departed from shall be resumed.

(9) *Record of Proceedings.*

66. A journal shall be kept by the Registrar containing a brief abstract of the proceedings of the Senate. The journal shall be submitted as soon as possible after each meeting to the Chairman for his confirmation and signature.

67. Within three weeks after a meeting of the Senate, the Registrar shall, under the direction of the Syndicate, post a printed copy of the minutes of such meeting attested by the Chairman to the address of each member.

68. If no exception is taken by a member who was present at the meeting to the correctness of the minutes within ten days of posting by the Registrar they shall be deemed to be correct.

69. If any exception be taken within the time aforesaid the attention of the Chairman shall be called to the portion of the minutes objected to and he shall make such alterations as he may find to be necessary.

## CHAPTER V.

## THE SYNDICATE.

70. Two members of the Syndicate shall be nominated by the Council and the rest elected by the Senate.

71. Three members shall form a quorum.

72. The President of the Syndicate shall be nominated by the Council from among the Syndics.

73. It shall be the duty of the Syndicate:—

(a) To order examinations in conformity with the Rules and fix dates for holding them.

(b) To fix the fees, emoluments, travelling and other allowances of Examiners and Moderators.

(c) To consider and make such reports or recommend such action as it deems fit on financial and business matters brought forward by the Members of the Senate and Faculties for consideration by the Senate.

(d) To prepare such forms and registers as are from time to time prescribed by the Rules.

(e) To make all the necessary arrangements for the publication of the books, etc., brought out under the auspices of the University.

## CHAPTER VI.

## THE FACULTIES.

74. The Faculties shall be constituted every two years and the members will be elected by the Senate.

75. The Dean of a Faculty shall hold office for two years till the next re-constitution of the Faculty. He shall preside at the meetings of the Faculty.

76. A Faculty shall have power:—

- (a) To draft rules in regard to courses of study and examinations prescribed by the University and to lay such rules before the Senate in order that they may be brought before the Council for ratification.
- (b) To remit any matter to a Board of Studies comprised within the Faculty for consideration and report.
- (c) To consider any report or recommendation of any Board of Studies comprised within the Faculty.
- (d) To hold meetings of the Faculty or a Committee of the Faculty along with any Faculty or a committee thereof for the discussion of any matter of common interest.
- (e) To appoint Examiners and Moderators.
- (f) To determine finally the results of the examinations on the recommendations reported by a meeting of all Examiners for each examination.
- (g) To determine the award of stipends, scholarships medals, prizes and other rewards in conformity with the Rules and the conditions prescribed for their award.
- (h) To determine courses of study and lists of text-books to be prescribed or recommended for study or translation.

## CHAPTER VII.

### THE BOARDS OF STUDIES.

77. The following will be the Boards of Studies:—

English Literature.  
Compulsory Theology.  
Arabic Literature.  
Sanskrit Literature.  
Persian Literature.  
Latin Literature.  
Urdu Literature.  
Marathi Literature.  
Telugu Literature.  
Kanarese Literature.  
Tamil Literature.  
French Literature.

History, including at least one member each for Indian History and Muslim History, and Political Science.

Economics and Sociology.

Mathematics.

Physical Science (Physics and Chemistry).

Natural Science (Geology, and Biology).

Mental and Moral Philosophy, including at least one member each for Muslim Philosophy and Hindu Philosophy.

Domestic Science.

78. A member of a Board of Studies shall hold office for two years and shall be eligible for reappointment.

79. No board shall consist of more than seven or less than three members.. The head of the Department concerned will be an ex-officio member of the Board, and in addition to him, the Faculty may elect five members of the Board. The Senate may, if it thinks it necessary, elect a seventh. Three members will form a quorum.

80. Each Board shall elect its own Chairman.

81. Any Board may co-opt specialists who are not members of the board, but such member will not be entitled to vote.

82. Members of the Boards of Studies shall be solely responsible for seeing that there is nothing in any book prescribed for study which is calculated to wound the religious sentiments of any section of His Exalted Highness' subjects, no exception however being taken to minor differences of opinion which are inevitable. There shall be at least one Musalman on the Boards conversant with the language and competent to express an opinion on the books from a religious and Islamic point of view. Rules for the guidance of the members of the Boards of studies shall be as follows:—

1. All books prescribed for study should be free from passages containing improper remarks concerning founders of religions or passages likely to cause offence to followers of any religion or prejudicial attacks on any religion.

2. Islamic religious books included in the curriculum should be entirely free of any teaching contrary to the established beliefs of Muslims.

3. But the following will not be held objectionable provided there is no unseemly attack on any religion:—

(a) *In books of Literature.*—

Verses in praise of wine, etc., showing a disregard



of *Shariat* (مضامین رندانه) and poetic fancies  
(تخیلات شاعرانه)

(b) *In books of Philosophy.*—

Questions of Philosophy.

(c) *In books of History.*—

The religious ideas of the followers of other religions or narratives of their achievements from a historical point of view.

## CHAPTER VIII.

### FINANCE.

#### (1) *The Board of Audit.*

83. The Board shall meet ordinarily once every month and at other times when convened by the Vice-Chancellor.

84. The Board shall examine and audit the University accounts, the endowments and trust funds accounts, consider ways and means and the financial effects of any important measures in contemplation and make recommendations when necessary to the Senate on all matters relating to the finance of the University. It shall also make an annual report to the Senate on noteworthy points regarding the income and expenditure during the last preceding year. Copies of all reports and recommendations of the Board of Audit shall be sent to the Council by the Senate. The Members of the Board shall have access to all the accounts and other records of the University.

85. Members of the Board shall hold office until the next annual meeting of the Senate. They shall be eligible for re-appointment at the expiration of their term of office. All vacancies in the Board occurring in the course of the year shall be filled up by the Senate.

#### (2) *Government Audit.*

86. The accounts of the University shall be audited at least once in every year and at intervals of not more than fifteen months by auditors appointed by Government.

87. The auditors shall for the purposes of their office have access to all the accounts and other records of the University.

88. The accounts when audited shall be published together with the auditors' report in such form as may be prescribed by Government and a copy thereof shall be submitted to Government.

## CHAPTER IX.

## OFFICERS AND SERVANTS OF THE UNIVERSITY.

89. The Registrar will hold office during the pleasure of the Government but may be removed on the recommendation of a two-thirds majority of the members of the Council.

90. It shall be the duty of the Registrar:—

- (a) To be the custodian of the records, library, common seal and such other property of the University as the Council shall commit to his charge.
- (b) To attend as far as possible all meetings of the Senate and the Syndicate and any committees appointed by the Senate and to keep minutes thereof.
- (c) To conduct the official correspondence of the Senate and the Syndicate.
- (d) To issue all notices concerning meetings of the Senate, Faculties, Syndicate, Boards of Studies, Boards of Examiners and any committees appointed by the Senate, the Faculties, or any of the Boards of Studies.
- (e) To conduct all the administrative duties of the Translation Bureau.
- (f) To perform such other duties as may from time to time be prescribed by the Council and generally to render such assistance as may be desired by the Council in the performance of its official duties.

91. The scale of establishment for the office of the University shall be fixed by the Council from time to time.

92. The Registrar shall have power to fine, suspend and grant leave to all non-gazetted servants of his own office and make appointments upto Rupees 125.

## CHAPTER X.

## EXAMINATIONS.

93. No one shall be permitted to enter the University in order to study for the Intermediate Examination unless he has passed the Matriculation Examination of the University or the School Leaving Certificate Examination or the Matriculation Examination of any other Indian or English University.

94. No one will be admitted to join the University to study for the B. A. and other degrees unless he has passed the Intermediate Examination of the University or any other Indian or English University.

(By order)

A. HYDARI,

SECRETARY TO GOVERNMENT,  
*Judicial, Police and General Departments.*

## SUPPLEMENTARY RULES.

### I. ELECTION OF MEMBERS OF THE SYNDICATE BY THE SENATE.\*

The following procedure shall be adopted in the election of the members of the Syndicate by the Senate under Regulation 70.

1. The election shall take place at the annual meeting held in Amardad, or on such date as the Chancellor may appoint in this behalf.

2. Not less than ten days before the meeting the names of members who are proposed by any Fellow for election as members of the Syndicate shall be submitted in writing to the Registrar, who shall circulate the names to the members of the Senate at least four days before the meeting.

3. Each voter shall have only one vote for each vacancy and can give only one vote to any one candidate.

4. The election shall take place at the meeting of the Senate upon the date so fixed, and the voting shall be by ballot.

5. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Chancellor with whom the final selection shall rest.

*N. B.*—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election made and to order a fresh one

### II. ELECTION OF MEMBERS OF THE FACULTIES BY THE SENATE.†

The following procedure shall be adopted in the election of the members of the Faculties by the Senate under Regulation 74.

1. The election shall take place at the annual meeting held in Amardad, or on such date as the Vice-Chancellor may appoint on this behalf.

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\* Received the assent of His Exalted Highness the Nizam on the 10th Shaban 1340 H., (5th Khurdad 1331 F.—9th April 1922).

† Received the assent of H.E.H.'s. Government on the 22nd Ardibehsh: 1333 F. (26th March 1924).

2. The Syndicate shall, in the first instance, draw up a list of persons whom they recommend for appointment to the various Faculties. This list shall be circulated among the members of the Senate by the Registrar not less than sixteen clear days before the meeting. Any member of the Senate may then propose additional names for any of the Faculties, which must be sent to the Registrar nine clear days before the meeting. These names, together with the original list shall be circulated among the members of the Senate five clear days before the meeting and no additional names shall be received.

3. At the meeting of the Senate, the entire list shall be voted on Faculty by Faculty, and every member shall be declared to be appointed who obtains votes from a majority of the members of the Senate voting for the Faculty under appointment. The voting shall be by ballot.

In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Vice-Chancellor with whom the final selection shall rest.

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### III. ELECTION OF TWO FELLOWS FROM THE MEMBERS OF THE FACULTIES.\*

The following procedure shall be adopted in the election of two Fellows by the Senate from the members of the Faculties who are not already members of the Senate. One of these members shall be elected from the Faculty of Arts and the other from the Faculty of Theology.

1. Once in every year in the annual meeting of the Senate held in Amardad or on such date as the Chancellor may appoint on this behalf, there shall, if necessary, be an election to fill any vacancy among the two Fellows to be elected by the Senate from the members of the Faculties of Arts and Theology who are not already members of the Senate.

2. Intimation of the date fixed for election shall be sent to the members of the Senate at least twenty-five days in advance together with a list of the members of the Faculties who are not members of the Senate and each Fellow shall, on receipt of the notice, be entitled to propose the name of one person from the list for appointment as a Fellow. Such proposal must reach the Registrar fourteen clear days before the date fixed for election. The Registrar shall cause a list of the nominees to be printed and forwarded to the members of the Senate five clear days before the date fixed for election.

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\* Received the assent of His Exalted Highness the Nizam on the 10th Shaban 1340 H., (5th Khurdad, 1331 F.—9th April, 1921).

3. The election shall take place at the meeting of the Senate upon the date so fixed, and the voting shall be by ballot.

4. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Chancellor with whom the final selection shall rest.

*N. B.*—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election made and to order a fresh one.

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#### IV. ELECTION OF TWO FELLOWS FROM THE LIST OF REGISTERED GRADUATES.\*

The following procedure shall be adopted in the election of two Fellows by the Senate from the list of registered graduates under Section 8 (4) (c) of the Charter.

1. Once in every year in the annual meeting of the Senate held in Amardad or on such date as the Chancellor may appoint in this behalf, there shall, if necessary, be an election to fill any vacancy among the two Fellows to be elected by the Senate from the list of registered graduates.

2. No person unless his name has been entered in the register of graduates and unless he has paid the fee for the year in which the election takes place shall be qualified to be elected at any election to be held under these rules.

3. Intimation of the date fixed for election shall be sent to the members of the Senate at least twenty-five days in advance together with a list of registered graduates and each Fellow shall on receipt of the notice, be entitled to propose the name of one person from the list for appointment as a Fellow. Such proposal must be accompanied by a brief statement of the special qualifications of his nominee and must reach the Registrar fourteen clear days before the date fixed for election. The Registrar shall cause a list of the nominees and of the statements to be printed and forwarded to the members of the Senate five clear days before the date fixed for election.

4. Each voter shall have only one vote for each vacancy and can give only one vote to any one candidate.

5. The election shall take place at the meeting of the Senate upon the date so fixed and the voting shall be by ballot.

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\* Received the assent of His Exalted Highness the Nizam on the 10th Shalwat 1340 H., (5th Khurdad 1331 F.—9th April 1922).

6. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Chancellor with whom the final selection shall rest.

*N. B.*—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election made and to order a fresh one.

## V. REGISTER OF GRADUATES.\*

The Register of Graduates to be kept under Section 8 (4) (c) of the Royal Charter shall be in such form as the Syndicate may from time to time decide.

1. Any person belonging to any of the following classes who is ordinarily resident in the Dominions shall, subject to the payment of the prescribed initial fee, be entitled to have his name entered in the register on application :—

(a) Any Master or Doctor of the University or of an Indian, British, Colonial or American University, recognised for the purpose by the Council.

(b) Any Bachelor of at least six years' standing of the University, or of an Indian, British, Colonial or American University recognised for the purpose by the Council.

(c) Any Maulvi Fazil, Maulvi Kamil or Munshi Fazil of the Dar-ul-Ulum of at least six years' standing.

2. The initial fee payable by a graduate for having his name entered on the register shall be five rupees.

3. The fee payable by a graduate for having his name retained on the register shall be two rupees a year. Till such fee has been paid, no graduate shall be entitled to take part in any election or to enjoy any of the privileges conferred by the Regulations.

4. A graduate whose name has been already entered on the register may at any time compound for all subsequent payments of the annual fee by paying the sum of twenty rupees.

5. The name of any graduate entered on the register shall if the amount of the annual fee is not paid by the 30th of

\* Approved by the Council of the University on the 18th Farwardi 1330 F, 19th February 1921

Ardibahisht, be removed therefrom, but shall at any time be re-entered on payment of all arrears.

6. Registered graduates shall have, besides the right of electing two Fellows, the following privileges:—

- (a) They shall be entitled to the use of the University Library and Membership of the University Union.
- (b) They shall be admitted free to all lectures delivered by University Professors.
- (c) They shall have priority of admission to the Convocation over unregistered graduates.

## VI. ACADEMIC ROBES.

### *Chancellor.*

Green silk gown with gold lace and tufts.

### *Vice-Chancellor.*

Green silk gown with silver lace and tufts.

### *Fellows.*

Dark green Alpaca gowns of the same shape as worn by the Master of Arts of the University of Oxford, together with sash.

### *Graduates.*

Gowns	..	.. Dark green Alpaca gowns of the same shape as that worn by the Bachelors and Masters of the University of Oxford.
Head Dress	..	.. Yellow.
Hoods—Arts	..	.. Cream coloured shamla.
Theology	..	.. Green.
Science	..	.. Dark Green.
Medicine	..	.. Grey.
Law	..	.. Scarlet.
Education	..	.. Light Blue.
Engineering	..	.. Purple.

Messrs. Parfitt & Co., Allahabad, have been appointed Robe-makers to the University.

## VII. RULES OF PROCEDURE TO BE FOLLOWED AT THE CONVOCATION FOR CONFERRING DEGREES.\*

1. The Chancellor, the Vice-Chancellor and Fellows shall assemble in the Senate room at the appointed hour. In the absence of the Chancellor, the Vice-Chancellor shall preside.

\* Received the assent of His Exalted Highness the Nizam on the 29th Rabi-us-Sani 1343 Hijri, (3rd Dai 1334 F.—17th November 1924).

2. The graces of the Senate on behalf of the candidates for admission to the several degrees will be supplicated by the Deans of the various Faculties in the following order:—

Theology.

Law.

Medicine.

Engineering.

Education.

Arts.

Science.

3. The formula to be used for each grace shall be as follows:—

“.....Chancellor, I move that a grace of the Senate be passed that those persons whom the Faculty of.....on the reports of the Examiners has certified to be qualified for the degree of..... be admitted to that degree.”

4. When all the graces have been passed the Chancellor, Vice-Chancellor and Fellows shall proceed in procession to the Hall in which the degrees are to be conferred.

5. The Chancellor and Vice-Chancellor shall appear in their official robes and the Fellows shall appear in the academic costume to which they are entitled in virtue of their degrees or in that prescribed for the Fellows of the University.

6. The candidates shall wear the gowns and hoods appropriate to their respective degrees and shall be arranged opposite to the Chancellor and the Vice-Chancellor.

7. On the procession entering the Hall, the candidates shall rise and remain standing until the Chancellor and the Vice-Chancellor and the Fellows have taken their seats.

8. The Chancellor, the Vice Chancellor and the Fellows having taken their seats, the Chancellor or the Vice-Chancellor shall say: “This Convocation of the Osmania University has been called to confer degrees upon the candidates who have been certified to be worthy of these degrees. Let the candidates stand forward.”

9. Then the candidates standing, the Chancellor or the Vice-Chancellor shall put to them the following questions to which the candidates will answer by the words “*I do promise.*”

*Question 1.*—Do you promise and declare that if admitted to the degrees for which you are severally candidates, and for which you have been recommended, you will, in your daily life and conversation, conduct yourself as becomes members of the University?

*Answer.*— I do promise.



**Question 2.**—Do you promise and declare that to the utmost of your opportunity and ability, you will use your powers for the furtherance of true learning?

**Answer.**— I do promise.

**Question 3.**—Do you promise and declare that, to the utmost of your opportunity and ability, you will use your powers in the service of your fellowmen?

**Answer.**— I do promise.

**Question 4.**—Do you promise that you will faithfully and diligently fulfil the duties of the profession to which you will eventually belong and that you will on all occasions maintain its purity and reputation?

**Answer.**— I do promise.

**Question 5.**—(*for the Faculty of Theology only*). Do you promise and declare that to the utmost of your opportunity and ability, you will use your power in the service of Islam and as a pure Muslim?

**Answer.**— I do promise.

10. The Chancellor or the Vice-Chancellor shall then say "Let the candidates be presented."

11. The candidates shall be presented in batches to the Chancellor or the Vice-Chancellor by the Deans of their respective Faculties, who shall say for each batch:—

"I present to you this (or these) candidate (or candidates)—read out names—and pray that he (or they) may be admitted to the degree of....."

12. When all the candidates for the same degree have been presented the Chancellor or the Vice-Chancellor, in presenting the diplomas, shall say to the candidates who shall remain standing:—

"By virtue of the authority vested in me as Chancellor (or Vice-Chancellor) of the Osmania University, I admit you to the degree of ..... in this University, and I charge you throughout your life, to prove worthy of this degree."

13. When all the candidates have been presented, the Registrar shall lay the record of the degrees that have been conferred before the Chancellor or the Vice-Chancellor, who shall affix his signature thereto.

14. The Chancellor, the Vice-Chancellor, a Fellow of the University or a distinguished guest shall then address the candidates.

15. At the close of the address the Chancellor, the Vice-Chancellor and the Fellows shall rise, and the Chancellor or the Vice-Chancellor shall say: "I declare this Convocation dissolved."

16. Then the Chancellor, the Vice-Chancellor and the Fellows shall retire in procession to the Meeting Room, the graduates standing.

#### VIII.—RULES FOR CONFERRING DEGREES BEFORE CONVOCATION.

The Registrar or Vice-Chancellor has been empowered by special legislation to confer the degrees on such graduates in the presence of the Principal and such members of the teaching staff as can be conveniently present after charging them to be of good behaviour, etc., who proceed to the European Universities before the Convocation, provided they have been recommended by the Faculties.

#### IX. RULES FOR CONFERRING HONORARY DEGREES.\*

1. When the Vice-Chancellor and not less than two-thirds of the other members of the Council recommend that an Honorary Degree be conferred on any person on the ground that he is in their opinion by reason of his eminent position and attainments, a fit and proper person to receive such a degree and when the recommendation is supported by not less than two-thirds of the Fellows present at a meeting of the Senate and is confirmed by the Chancellor and by H.E.H. the Nizam on the recommendation of the State Executive Council, the Senate may confer on such person the Honorary Degree so recommended without requiring him to undergo any Examination.

Provided that in cases of urgency the Chancellor may act on the recommendation of the University Council only.

2. The Honorary Degrees which the University is empowered to confer shall be as follows.—

1. Ph. D.
2. D. Lit.
3. D. Sc.
4. LL. D.
5. D. Th. (Doctor of Theology).

3. The Honorary Degrees shall be conferred by the Chancellor in the following words:—

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\* Received the assent of His Exalted Highness the Nizam on the 19th Shawwal 1344 Hijri (28th Khurdad 1335 F., 2nd May 1926).

“By the authority given me as Chancellor of this University, I admit you.....to the Honorary Degree of.....this on account of your eminent position and attainments.”

4. The academic dress for the degree of LL.D. shall be a gown of green silk with full sleeves with wide yellow facings. The hood shall be scarlet silk lined with black velvet. The head-dress shall be a Dastar or Shamla.

#### X. POWERS OF THE PRINCIPALS OF THE CONSTITUENT AND INTERMEDIATE COLLEGES.

1. The Principal shall be the supreme authority in all matters relating to the internal working of the College including the boarding houses.

2. He shall have power to accept or refuse applications for admission to the College and to rusticate, expel or otherwise punish pupils.

3. He shall have authority to make all appointments of non-gazetted officers of the 2nd and 3rd grades in the College.

4. He shall have authority to grant short leave (casual and privilege) or leave on medical certificates upto 3 months in the aggregate to all members of the staff, but acting arrangements should be made by the Council; and all kinds of leave to non-gazetted officers whom he is empowered to appoint, and to make acting arrangements therefor.

5. Proposals for the appointment of officers of the Education Department as part-time lecturers in the Intermediate Colleges of the University should be submitted with the formal consent of the Director, Public Instruction.

6. He shall have authority to make temporary acting arrangements for a gazetted officer, whose absence from duty is due to illness or such other cause over which he has no control.

7. He shall have authority to suspend or dismiss his non-gazetted subordinates, whom he is empowered to appoint.

8. He shall be the only official channel of communication between the University authorities and the members of the staff.

9. He shall appoint to all scholarships reserved for the students of the College and have authority to reduce temporarily the amount of a scholarship, to cancel any appointment to a scholarship, and if circumstances make it necessary, to redistribute the scholarship.

10. He shall have authority to grant casual holidays.

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\* Received the assent of His Exalted Highness the Nizam on the 12th Safar 1338 II., (1st Dai 1329 F.—6th November 1919).

11. He shall have control over the libraries, laboratories and such other institutions in the College and shall have power to entrust the management of the aforesaid institutions to one or more members of the staff competent to run the institutions.

12. He shall have authority to spend all sums granted in the budget in accordance with the budget allotment and shall send in the bills direct to the Accountant-General for payment.

#### CHAPTER XI--POWERS OF THE PRINCIPAL OF THE ENGINEERING COLLEGE.

1. He shall have power to accept or to refuse applications for admission to the college and to rusticate, expel or otherwise punish students with the sanction of the Pro-Vice-Chancellor.

2. He shall have power to make all appointments of non-gazetted officers and the clerical staff of the second and their grades in the Engineering College.

3. He shall have power to grant all kinds of leave to non-gazetted officers whom he is empowered to appoint and to make acting arrangements therefor.

4. He shall have power to suspend or dismiss non-gazetted subordinates whom he is empowered to appoint.

5. He shall be the only official channel of communication between the University authorities and members of the staff of the Engineering College.

*Note:—*This will not imply denial of right to the Professors of the College of direct access to the Pro-Vice-Chancellor.

6. He shall be responsible for the control of expenditure by the college and for the proper maintenance of accounts. He shall have authority to spend all sums granted in the budget, and shall send the bills direct to the Accountant-General.

7. He shall enter into, alter and cancel contracts on behalf of the Engineering College.

8. He shall subject to the general control and supervision of the Pro-Vice-Chancellor be responsible for the internal organisation, control and discipline of the Engineering College.

9. He shall have control over the Library, Laboratories and Workshops of the Engineering College.

10. He shall draw up the time-table of the Engineering College and shall be responsible for the distribution of work amongst the staff.

11. He shall allot all scholarships reserved for the students of the Engineering College and shall have authority to reduce temporarily the amount of a scholarship and if circumstances make it necessary to redistribute the scholarships.

12. He shall have the authority to grant casual leave to the gazetted officers of the Engineering College and to make temporary acting arrangements in their absence.

13. He shall be responsible for the control of the office of the Engineering College.

## XII. REMUNERATION TO EXAMINERS, MODERATORS, AND INVIGILATORS.

1. The following shall be the scale of remuneration for Examiners:—

### *Matriculation Examination.*

	O.S. Rs.	A.	p.
For setting 3 hours' paper ..	.. 60	0	0
For setting a paper of 2 hours or less ..	.. 40	0	0
For valuing each answer book for which the time allowed is 3 hours.. ..	.. 0	12	0
For valuing each answer book for which the time allowed is 2 hours or less ..	.. 0	8	0
Practical Test in Domestic Science ..	.. 1	8	0

(For each candidate subject to a minimum of Rs. 25)

### *Intermediate Examination.*

For setting 3 hours' paper ..	.. 75	0	0
For setting a paper of 2 hours or less ..	.. 50	0	0
For valuing each answer book of 3 hours ..	.. 1	0	0
For valuing each answer book of 2 hours or less ..	.. 0	12	0
Practical Examination in Science subjects for each candidate to each Examiner ..	.. 2	8	0

*N.B.*—Examiners are required to furnish a complete English translation of their paper, otherwise a sum of Rs. 10 will be deducted from the remuneration for setting a paper.

*B. A., B. E., Diploma in Education and LL. B. Examinations.*

For setting a paper .. .. .	100	0	0
For valuing an answer book .. .. .	1	8	0
Practical Examination in Science subjects for each candidate subject to a minimum of Rs 25	3	0	0
Practical Examination in Training, for each candidate .. .. .	3	0	0

*M. A. and M. Sc. Examinations.*

For setting a paper .. .. .	125	0	0
For valuing each answer book .. .. .	2	8	0
For <i>Viva Voce</i> Examinations .. .. .	2	0	0

per candidate subject to a minimum  
of Rs 25 to each Examiner.

For reading a Thesis .. .. .	50	0	0
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per Thesis per examiner.

Practical Examination in Science Subjects ..	3	8	0
per candidate subject to a minimum of Rs. 50 per Examiner.			

*M. B. B. S. Examination.*

For setting a paper .. .. .	100	0	0
For valuing each answer book .. .. .	2	8	0
Practical Examination .. .. .	3	0	0

per candidate subject to a  
minimum of Rs. 50 per examiner.

2. If an examiner sets a paper and is unable to examine it, the remuneration for setting the paper shall be divided equally between him and the person actually examining the answer books.

3. Persons correcting proofs shall be paid at the rate of Rs. 5 for papers in Mathematics and Rs. 3 for papers in other subjects.

4. Moderators shall get an allowance of Rs. 15 for each meeting of two and half hours.

5. The scale of remuneration for Superintendents and Inspectors will be as follows:—

	Matriculation Examination	Intermediate B. A. and other higher Examinations
	O.S. Rs per diem	O.S. Rs per diem.
Chief Superintendents ..	10 0 0	10 0 0
Invigilators receiving a salary of below Rs. 50 ..	2 0 0	..
Invigilators receiving a salary of Rs. 50—120 ..	3 0 0	..
Invigilators receiving a salary of Rs. 121—200 ..	4 0 0	100-200 4 0 0
„ „ over 200 ..	5 0 0	5 0 0
Peons ..	0 4 0	0 4 0

### XIII. TRAVELLING AND HALTING ALLOWANCES.

The members of the Senate and other University Bodies residing in the mofussil shall be paid travelling and halting allowances at the following rates:—

- (i) Single first class fare each way, and Rs 10 per diem for days on which meetings are held.
- (ii) Single third class fare each way for servants.

### XIV. DUPLICATES OF THE UNIVERSITY CERTIFICATES.

Duplicates of University Certificates or Diplomas shall not be granted except in cases in which the Syndicate is satisfied by the production of an affidavit or otherwise (duly certified by the Headmaster of a recognised High School, or a Divisional Inspector or District Inspector of Schools of His Exalted Highness' Government), that the applicant has lost his certificate or diploma, or that it has been destroyed. In such cases a duplicate of a certificate the original of which was signed by the Registrar, may be granted on payment of a fee of Rs. 5; and a duplicate of a certificate or diploma the original of which was signed by the Chancellor, on payment of a fee of Rs. 10, and all such cases shall be notified in the Government Gazette.

### XV. MIGRATION, AGE AND PROVISIONAL CERTIFICATE.

Migration and Provisional Certificates will be issued to the candidates on payment of the following fee:—

*Migration Certificate:—*

Rs. 2 before admission to a College and Rs. 5 after admission.

*Age and Provisional Certificate.                      Re. 1*

### XVI. REGISTRATION FEE.

A registration fee of Rs. 10 shall be charged by the University from all students migrating to this University from other Universities or joining the University after obtaining a High School Certificate issued by a H. S. L. C. Board in British India.

### XVII. UNIVERSITY LOAN FUND.

1. That a sum of B.G. Rs. 25,000 be set apart for this Fund.
2. That only competent and brilliant members of the staff shall be eligible for loans for study in foreign countries, provided they have put in at least 5 years' service and their services can be spared by the Department concerned.
3. That the maximum amount of a loan shall be B.G. Rs. 10,000.
4. That loans shall be given on the security of Promissory Notes, Railway Shares, Mansabs, Insurance Policies, to the extent of  $\frac{2}{3}$  their surrender value Postal Cash Certificates and immovable property ( $1\frac{1}{2}$  of the value of the loan).
5. That interest at the rate of  $4\frac{1}{2}$  per cent. shall be charged on all advances made.
6. That the loan should be repaid at the rate of 25 per cent. of the salary for each month, the maximum period of repayment being 12 years.
7. That the University shall not be responsible for giving any promotion on the basis of additional qualification secured.
8. That applicants for loans shall bind themselves to serve the University on whatever salary offered for five years or till the whole amount is repaid, and in case the persons obtaining loan sever their connection before the amount of the loan is repaid they shall be required to pay up immediately the whole amount of the loan remaining due, and compound interest at the rate of 8 per cent. per annum will be charged thereon.
9. That the loan will be paid in quarterly instalments, the first including passage money and B.G. Rs. 500 for outfit, which shall be paid after the agreement and surety bonds have been executed.



## XVIII. UNIVERSITY SCHOLARSHIPS.

*Faculty of Arts.*

Intermediate .. One of Rs. 20 per mensem to be given to the student standing first in the Matriculation Examination, and two of Rs. 15 per mensem each to the students standing second and third provided they pass the examination in the first division.

Eight of Rs. 15 per mensem each to the students standing first in the following subjects provided that they have passed in the first division in the subject and at least in the second division in the whole of the examination.

(1) English, (2) Theology, (3) Morals, (4) Arabic, (5) Sanskrit, (6)\* Elementary Mathematics, (7) \*Higher Mathematics and (8) Science.

B. A. .. One of Rs. 25 per mensem to student standing first in the Intermediate Examination, and two of Rs. 18 per mensem each to students standing second and third provided they pass the examination in the first division. Twenty-one of Rs. 18 per mensem each to students standing first in the following subjects provided that they have passed in the first division in the subject and at least in the second division in the whole of the examination:—

English, Theology, Morals, Mathematics, Physics, Chemistry, Biology, Urdu, Arabic, Persian, Sanskrit, Economics, Sociology, History of Islam, History of England, History of India, Logic, Psychology, Marathi, Kanarese, and Telugu.

M. A. .. Two of Rs. 40 per mensem each to the students standing first in the Arts and Science subjects respectively in the B.A. Examination, provided they pass the examination in the first division.

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\*To candidates who pass under the new rules.

Ten of Rs. 30 per mensem each to the students standing first in the following subjects respectively, provided that they have passed in the first division in the subject and at least in the second division in the whole of the Examination:—English, Arabic, and an allied subject, Persian and an allied subject, Sanskrit and an allied subject, History, Philosophy, Physics, Chemistry, Biology and Mathematics.

Eleven Research Scholarships of Rs. 75 per mensem each for Arabic, Persian, Urdu, Philosophy, English, Kanarese, Telugu, Marathi, Physics, Fiqah and Hadis.

*Faculty of Theology.*

Intermediate .. One of Rs. 20 per mensem to the student standing first in the Matriculation Examination and one of Rs. 15 to the student standing second provided they pass the examination in the first division.

One of Rs. 15 per mensem to the student standing first in Arabic provided he has passed in first division in the Subject, and at least in the second division in the whole of the examination.

B. A. .. One of Rs. 25 per mensem to the student standing first in all the subjects in the Intermediate Examination, and passing the examination in the first division.

One of Rs. 20 per mensem to the student who stands second in all the subjects and also passes the examination in the first division.

Five of Rs. 18 per mensem to the students standing first in Arabic, Fiqah and Usul-i-Fiqah, Hadis, Tafsir and Kalam provided they have passed in the first division in the whole of the examination.

M. A. .. One of Rs. 40 per mensem to the student who stands first passing the B. A. Examination in the first division.

*Faculty of Engineering.*

1st year	{	Two of Rs. 30 per mensem each		
		Two of Rs. 25	"	"
2nd year	{	Two of Rs. 30	"	"
		Two of Rs. 25	"	"
3rd year	{	One of Rs. 30	"	"
		One of Rs. 35	"	"
4th year	—One apprenticeship of Rs. 150 per mensem, and six of Rs. 50 each.			

*Faculty of Medicine*

Fifteen scholarships of Rs. 17 per mensem each for male students.

*Bursaries.**Faculty of Arts*

Intermediate :	Twenty of Rs. 10 p.m. each for two years.
	Day Scholars Rs. 6.
	Boarders Rs. 10.
B.A. :	Twelve of Rs. 11 p. m. each for two years.
	Days Scholars Rs. 8.
	Boarders Rs. 12.
M.A. :	Eight Bursaries of Rs. 20 per mensem each for two years.

*Faculty of Theology.*

Intermediate :	Seven of Rs. 10 p.m. each for two years.
B.A. :	Three of Rs. 12 p.m. each, for two years.
M.A. :	One of Rs. 20 for two years.

FOR FEMALE STUDENTS :—

*Faculty of Medicine.*

Five Bursaries of Rs. 17 per mensem each.  
 Three Bursaries of Rs. 40 per mensem each.  
 Twelve Bursaries of Rs. 30 per mensem each.

*Note*—The value of bursaries will be reduced by 25 per cent. with effect from Session 1937-38

## XX RULES FOR THE DEPUTATION OF MEMBERS OF THE STAFF OF THE UNIVERSITY TO MEETINGS OF LEARNED BODIES :—

- (1) In making selections preference will be given to those who read papers at Conferences to those who do not.

- (2) Travelling and halting allowances should be paid according to the Civil Service Regulations. In case of persons going to places out of India, the Committee will make recommendation with special reference to the country visited.
- (3) Delegation may be sent usually to the following Conferences, but it will be opened to the Committee to decide, as to which Conferences Delegates should be sent in a particular year:—
  - (1) Indian Science Congress.
  - (2) Indian Philosophical Conference.
  - (3) All-India Oriental Conference.
  - (4) Indian Economic Conference.
  - (5) Indian Historical Record Commission.
  - (6) Indian Medical Research Workers' Conference.
  - (7) Inter-University Board.
- (4) Conferences should be given formal intimation of the names of the delegates sent by the University.

## XXI. UNIVERSITY EXTENSION LECTURES.

1. Lectures shall be arranged by a Board which will be constituted every two years, and for the present consist of the following with powers to co-opt:—

Pro-Vice-Chancellor.  
 Secretary, Educational Department.  
 Principal, Medical College.  
 Principal, Engineering College,  
 Registrar, Osmania University.  
 Mr. Ghulam, Yazdani.  
 Prof. E. E. Speight.  
 Prof. Hossain Ali Khan.  
 Prof. H. K. Sherwani.  
 Prof. M. Qureshi

2. Arrangements for delivering extension lectures shall be made in consultation with the Principals of the various Colleges for one extension lecture being delivered every academic year on each of the following subjects:—

Engineering, Medicine, Biology, Physics, Chemistry, Mathematics including Astronomy, History, Urdu, Persian, Arabic, Philosophy, Law, Sanskrit, Telugu, Marathi, Kanarese.

3. Not more than 12 extension lectures shall be delivered annually during the last two weeks of each term. Written copies of the lectures, which will ordinarily be in Urdu, should be deposited with the Registrar, and published in book form so as to reach a wider audience.

4. Foregin scholars may be invited to deliver lectures on the recommendation of this Board. The lectures delivered shall be the property of the University and shall not be published without its permission. The lecturers shall be paid only their remuneration sanctioned for the lectures and the University will not be responsible for the boarding, halting or other charges.

## 8. THE UNIVERSITY COLLEGE.

### *Staff.*

#### FACULTIES OF ARTS AND SCIENCE.

##### BOTANY.

Professor	.. Sayeeduddin, B.Sc. (Bom.), M.A. (Edin).
Lecturer	.. Abdul Bari, M.Sc. (Bom.).
Do	.. Abdus Salam, M.Sc. (Osmania).

##### CHEMISTRY.

Professor	.. Muzaffaruddin Qureshi, M.Sc., Ph.D. (Berlin).
Do	.. Sayyid Husain, B.A. (Osm.), M.Sc. (Alig.), Ph.D. (London).
Reader	.. Mahmud Ahmad Khan B.Sc. (Allahabad).
Lecturer	.. V. Basroor, M.Sc. (London).
Lecturer	.. Mr. Nazir Ahmad Tahir, M.Sc., (Osmania). (on study leave).
Do	.. Illindla Sita Ram Rao, B.A. (Osmania), M.Sc. (Dacca).
Do	.. Khalilur Rahman, M.Sc. (Osmania).
Do	.. Syed Shah Muhammad, M.Sc. (Osmania).

##### ECONOMICS AND SOCIOLOGY.

Prof.-in-charge	.. Habib-ur-Rahman, M.A., LL.B. (Allahabad), B.Sc. (Hons.) (Lon.), (on deputation).
Do	.. Dr. Anwar Iqbal Qureshi, M.A. (Punjab), M.Sc. (London), Ph.D. (Dublin).
Reader	.. Sayyid Jafar Hasan, Ph.D. (Heidelberg).
Lecturer	.. Akhtar Husain, M.A., LL.B. (Lucknow), L.T. (Allahabad).
Do	.. Mhd. Abdul Qadir, B.A. (Mad.) (B.Sc. Hons. (London)).
Do	.. Abdul Latif Razvi, B.A. (Osm.), M.A., LL.B. (Alig.), B.Sc. (Lon.).

##### ENGLISH.

Professor	.. Hosain Ali Khan, B.A. (Oxon.).
Do	.. E. E. Speight, B.A. (London).
Do	.. Sayyid Abdul Latif, Ph.D. (London). (on leave).
Do	.. F. J. A. Harding, B.A. (Oxon.), Dip.-in-Edu. (Oxon.).
Reader	.. T. Virabhadhrudu M.A., L.T. (Madras).

Lecturer	.. M. S. Doraswamy, M.A., L.T. (Madras).
Do	.. V. S. Krishnan, M.A. (Madras), B.A. (Hons.) (Oxford).

## HISTORY.

Professor	.. Haroon Khan Sherwani, M.A. (Oxon.). Bar-at-Law.
Do	.. Mirza Ali Yar Khan B.A. (Oxon.), (on deputation.)
Do	.. Md. Jamilur Rahman, M.A. (Punjab).
Do	.. K. C. Roy Seksen, M.A. (Allahabad).
Do	.. Yusuf Husain Khan, D.Litt., (Paris).
Reader	.. Dr. Ishwarnath Topa, Ph.D. (Freiburg).
Lecturer	.. Abdul Majid Siddiqi, M.A. (Osmania).
Do	.. Syed Sirajuddin Ahmad, M.A. (Osmania). (Research Scholar)

## LANGUAGES (ANCIENT AND MODERN).

Professor	.. Abdul Haq, B.A. (Allahabad) (Urdu).
Do	.. A. H. M. Nizamuddin, D.Phil. (Cantab.). (Persian).
Do	.. Abdul Haq, B.Litt., Ph.D. (Oxon.). (Arabic).
Reader	.. Sayyid Ibrahim, (Arabic).
Do	.. Abdul Hamid Khan, (Persian).
Do	.. Sayyid Sajjad M.A. (Allahabad), Ph.D. (London), (Urdu).
Do	.. Qari Sayyid Kalimullah Husaini, M.A., LL.B. (Osmania), Ph.D. (London), (Persian).
Do	.. Ghulam Muhiuddin Qadri M.A. (Osmania), Ph.D. (London), (Urdu).
Lecturer	.. Latif Ahmad Faruqi, M.A., LL.B. (Osmania), (Persian).
Do	.. Abdul Qadir Sarwari, M.A. (Osmania), (Urdu).
Do	.. Saif bin Sultan Husain-Al-Qaiti, M.A., LL.B. (Osmania) (Arabic).
Do	.. Syed Nabi, (Arabic).
Reader	.. R. Subba Rao, (Telugu).
Do	.. Hari Har Shastri, (Sanskrit).
Do	.. C. N. Joshi, M.A., (Marathi).
Lecturer	.. D. K. Bhimsen Rao, B.A. (Osm.), M.A. (Mysore), (Kan.).
Do	.. Yusuf Husain Khan D.Litt. (Paris), (French).
Do	.. Sayyid Jafar Hasan Ph.D. (Heidelberg), (German).

## MATHEMATICS.

Professor	.. Qazi Muhammad Husain, B.A., LL.B. (Cantab.), M.A. (Punjab).
Do	.. Kishen Chand, M.A. (Cantab.).
Do	.. M. Raziuddin Siddiqi, B.A. (Osmania), B.A. (Cantab.), Ph.D. (Gottingen).
Reader	.. Shaikh Barkat Ali, M.A. (Osmania).
Lecturer	.. Khawja Muhiuddin, M.A. (Madras).
Do	.. B. P. Venket Chari, M.A. (Osmania), Research Scholar.

## PHILOSOPHY.

Professor	.. Khalifa Abdul Hakim, M.A., LL.B. (Punjab), Ph.D. (Heidelberg).
Reader	.. Mir Valiuddin, M.A. (Osm.), Ph.D. (Lon.).
Lecturer	.. Motazid Waliur Rahman, M.A. (Punjab).
Do	.. Shiv Mohan Lal, B.A. (Osm.), M.A. (Alig.).
Do	.. Salahuddin, B.A. (Osm.), M.A. (Dacca).
Do	.. Qari Qutbuddin, Le.es.L. (Egypt), B.A. Osmania.

## PHYSICS.

Professor	.. Wahidur Rahman, B.sc. (Calcutta).
Reader	.. Nasir Ahmad, M.A., B.sc. (Allahabad).
Do	.. Dr. Syed Mehdi Ali, B.A. (Madras), Ph.D. (German).
Lecturer	.. Sayyid Abdul Rahman, B.A. (Osmania).
Do	.. Muhammad Yunus Valaqani, B.A. (Osmania), M.sc. (Dacca). (on study leave).
Do	.. Murtanji Rao, M.sc. (Osmania).
Do	.. Sayyid Ahmed Qadri, B.sc. (Hons.) (Manchester).
Do	.. N. Ram Lal, M.sc. (Alig.), Ph.D. (London).
Do	.. R. Satyanarayan, B.sc. (London), A.R.C.S. (London).

## ZOOLOGY.

Professor	.. Dr. B. K. Das, D.sc. (London).
Lecturer	.. Muhammad Rahimullah M.sc. (Osm.).
Do	.. Satyanarayan Singh, M.sc. (Alig.).

## FACULTY OF MUSLIM THEOLOGY.

Professor	.. Maulvi Syed Manazir Ahsan Gilani.
Reader	.. Dr. Zahiruddin Ahmad, D.Litt. (Egypt), (Philosophy of Islam).



Reader	.. Qari Qutbuddin, B.A. (Osmania), L.T. (Egypt).
Do	.. Abdul Bari Nadvi.
Lecturer	.. Syed Osman Jafari (Islamic Law).
Do	.. Abdul Qadir, M.A., (Logic).
Do	.. Fazal Ahmad, (Tafsir).
Do	.. Muhammad Ali.
Do	.. Muhammad Hosamuddin.
Do	.. Syed Muhammad Shattari.

## FACULTY OF LAW.

Professor	.. Hosain Ali Mirza, Bar.-at-Law.
Reader	.. Mir Akbar Ali Musavi, B.A., LL.B. (Bombay). Dr. Hamidullah, M.A., LL.B. (Osmania), Ph.D. (Bonn.), D.Litt. (Paris). Sripat Rao, M.A., LL.B. (Bombay). Khaliluz Zaman, Bar.-at-Law. Abdullah Pasha B.A., LL.B. S. M. Rao, B.A., LL.B.

*Terms.**1st Term.*

21st June to 14th September.

*Recess:—*

15th September to 21st September.

*2nd Term.*

22nd September to 20th December.

*Recess:—*

21st December to 5th January.

*3rd Term.*

6th January to end of March.

*Examinations and summer Vacations:—*

1st April to 20th June.

*Fees.*

Intermediate	.. Rs. 60 per annum
B.A.	.. Rs. 80 do
M.A. or M.Sc.	.. Rs. 100 do
LL. B.	.. Rs. 80 do

*Hostels.*

Three hostels are attached to the College. The cost of living is Rs. 17 per mensem.

*Library.*

Librarian .. Yusufuddin Ahmad Siddiqi, B.A.

The English and Oriental sections contain 35,900 volumes including manuscripts. The staff and students of the University have also access to the Asafia Library, containing a large number of manuscripts and rare books.

*Number of Students.*

	Faculty of Arts	Faculty of Theology	Faculty of Science	Faculty of Law
1st Year ..	170	5	..	
2nd Year ..	164	8	..	
3rd Year ..	93	4	..	
4th Year ..	75	4	..	
5th Year (M.A.) ..	9	2	..	
6th year ( " ) ..	9	2	..	
B. Sc. Junior ..	..	..	67	
B. Sc. Senior ..	..	..	48	
5th Year (M.Sc.) ..	..	..	19	
6th Year ( " ) ..	..	..	8	
LL.B. (Previous) ..	..	..		37
" (Final) ..	..	..		33
Research (1st year) ..	2	..		
" (2nd year) ..	2	1		
Total ..	524	26	142	70

*Subjects taught.*

English, Muslim Theology, Morals, Arabic, Persian, Sanskrit, French, German, Urdu, Marathi, Telugu, Kanarese, History (India, England, Islam, Ancient, Medieval and Modern Europe), Economics, Sociology, Mathematics, Physics, Chemistry, Biology, Logic, Philosophy and Law.

*Laboratories.*

Physical, Chemical and Biological fitted up to the M.Sc. standard.

## WOMEN'S COLLEGE.

### *Principal.*

Miss Amina Pope, M.A., D.Litt. (Allahabad), L.B.A.M., A.R.C.M.,  
S.C.A.A. (Port).

### *Readers.*

English .. Miss H. Gilson, B.A., L.T. (Madras).  
History .. Mrs. Gibbs, B.A. (Mysore).

### *Lecturers.*

History .. Ruqayya Begum, B.A. (Cantab.).  
Chemistry .. Mrs. Sundaram, B.Sc. (Lucknow).  
Physics .. Miss Plowman, B.Sc. (Madras).  
Persian .. Rabah Khanum.  
Arabic .. Jafari Begum.  
Urdu and Morals. Afsar Sultana Begum.

### *Part-time Lecturers.*

Economics .. Miss Chattopaddhya, B.A., L.T. (Madras).  
Mathematics .. Mrs. Krishnamurti.  
Do .. Shaikh Barkat Ali, M.A. (Osmania).  
Do .. Khawja Muhiuddin, M.A. (Madras).  
Do .. Raghavandar Rao, M.A. (Osmania).  
English .. Mrs. Douglas Pulleyne, F.R.G.S.  
Science .. Mrs. L. Ratnam, B.A.  
Botany .. M. Sayeeduddin, M.A. (Edin.).  
Do .. Abdul Bari, M.Sc. (Bombay).  
Zoology .. Md. Rahimullah, M.Sc. (Osmania).  
Do .. Satyanarayan Singh, M.Sc. (Alig.).  
Physical }  
Instructor } Najmunnisa Begum, B.A. (Osmania).

### *Subjects taught.*

English.  
Theology.  
Morals.  
Urdu.  
Arabic.  
Persian.  
Indian History.  
Islamic History.  
English History.  
Economics.  
Physics.  
Chemistry.  
Mathematics.  
Botany.  
Zoology.

## INTERMEDIATE COLLEGES.

### (1) CITY INTERMEDIATE COLLEGE.

#### *Principal.*

Sayyid Muhammad Azam, M.A., B.Sc. (Cantab.).

#### *Lecturers.*

English	{	Ghulam Muhammad Ali, M.A. (Mad.), <i>Actg.</i> Ataur Rahman, B.A. (Bom.). (on study leave). J. Sebastian, M.A. (Nagpur).
Arabic & Theology	{	Maulvi Hibatullah. Syed Hosain Shor, M.A. (Osmania).
Urdu	..	Abu Zafar Abdul Wahid, B.A. (Mad.), M.A. (Aligarh).
History & Economics	{	Khwaja Muniruddin, M.A. (Osmania). Mir Mahmud Ali, M.A. (Osmania).
Mathematics	..	V. N. Patwari, M.A. (Osmania).
Physics	..	Muhammad Ahmad Osmani, M.Sc. (Alig.).
Chemistry	..	Ahmad bin Abdulla, B.A.
Morals	..	Yusuf Ali, M.A. (Alig.). ( <i>Part-time</i> ).
Persian	{	Syed Muhammad, M.A. (Osmania). ( <i>Part-time</i> ). Ali Raza Shirazi. ( <i>Part-time</i> ).

#### *Subjects taught.*

English.

Theology.

Morals.

Arabic.

Persian.

Urdu.

History.

Economics.

Mathematics.

Physics.

Chemistry.

## (2) AURANGABAD INTERMEDIATE COLLEGE.

*Principal.*

Sayyid Muhiddin, B.A. (Oxon), Bar-at-Law.

*Reader.*

English .. John Bhaktul, B.A. (Mad.), B.T. (Cal.).

*Lecturers.*

Urdu, Morals & } Ghulam Taiyab, B.A. (Osmania), B.T.  
 History of India } (Dacca).  
 Persian & Arabic. Agha Muhammad Taqi.

Economics and }  
 English } Ganesh Rao Thatte, M.A.  
 English History }  
 & Indian } Muhammad Ibrahim, M.A. (Alig.).  
 History }  
 Physics .. Azizur Rahman, M.Sc. (Dacca).  
 Chemistry .. P. N. Srikishen, M.Sc. (Alig.).  
 Mathematics .. Muhammad Ahmad, M.A. (Alig.).

*Part-time Lecturers.*

Theology .. Syed Ahmad.  
 Theology and }  
 Arabic } Abul Khair Muhammad Sabir.  
 Hindi & Sanskrit Dharam Pal Math, M.A. (Punjab).  
 Sanskrit and }  
 Marathi } Bhaskar Govind Shastri.

*Subjects taught.*

English.  
 Theology.  
 Morals.  
 Economics.  
 History.  
 Arabic.  
 Persian.  
 Urdu.  
 Marathi.  
 Sanskrit.  
 Physics.  
 Chemistry.  
 Mathematics.

## (3) WARANGAL INTERMEDIATE COLLEGE.

*Principal.*

Abdul Aziz Khan, B.A.

*Reader.*

English .. P. R. Sebastian, B.A. (Madras).

*Lecturers.*

History	.. Mir Zainulabedin, M.A., B.T.
Economics	.. Ahmad Abdul Aziz, M.A., (Alig.). (Part-time).
Mathematics	.. A. V. Gopal Rao, M.A.
Chemistry	.. Inayat Khan, M.Sc. (Osmania).
Physics	.. Muhammad Zakiuddin, M.Sc. (Osmania).
Muslim Theology	.. Muhammad Yaqubur Rahman, (Part-time).
Morals	.. Abdul Latif, (Part-time).
Telugu	.. Srinivasa Rao, B.A. (Osmania).
Sanskrit	.. Venkat Ramna Charlu, (Part-time).

*Subjects taught.*

English.  
 Theology.  
 Morals.  
 Economics.  
 History.  
 Mathematics.  
 Physics.  
 Chemistry.  
 Sanskrit.  
 Telugu.

## (4) GULBARGAH INTERMEDIATE COLLEGE.

*Principal.*

Syed Zulfaqar Ali Haqqani, B.A., B.T.

*Lecturers.*

English	.. A. Malikarjan Rao, M.A. (Madras).
History	.. Saiduz Zaman, M.A. (Alig.).
Chemistry	.. Muhd. Vazir Ahmed Quraishi, M.Sc. (Alig.).
Physics	.. Muhammad Fazluddin, M.Sc. (Alig.).
Mathematics	.. Akbar Ali, M.A. (Osmania).

*Part-time Lecturers.*

Urdu & Persian	. Naziruddin, B.A., C.T.
Arabic, Urdu	} Muhammad Hamid Siddiqi.
Persian & Theology	
Arabic	.. Syed Habib Hyder.
Persian	.. Mir Jehangir Ali Khan.
Marathi	.. P. D. Shenderkar, B.A., LL.B. (Osmania).
Marathi and Sanskrit	} H. N. Dharwadker.
Kanarese	
Economics	.. Bhimsin Rao, M.A. (Osmania).
	.. Mir Abu Talib, M.A. (Alig.).

*Subjects taught.*

English.  
 Arabic.  
 Persian  
 Urdu.  
 Marathi  
 Kanarese.  
 Sanskrit.  
 Theology.  
 History.  
 Economics.  
 Mathematics.  
 Physics.  
 Chemistry.

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## MEDICAL COLLEGE.

### *Principal.*

H. Haider Ali Khan, L.M. & S. (Bom.), L.R.C.P. (Lond.), M.R.C.S. (Eng.), F.R.C.S.E. (Edin.).

### *Professors.*

S. W. Hardikar, M.D. (Edin.), (Materia Medica and Pharmacology).

Brij Mohan Lal, B.A. (Mad.), M.B.B.S. (Bom.), M.Sc. (London.) (Anatomy).

Syed Abdul Rahman, M.B., Ch.B. (Edin.), (Physiology).

Mir Ali Husain, M.B.B.S. (Bom.), Ph.D. (Durham).

### *Readers.*

S. P. Sahagal, M.B.B.S. (Bombay), (Anatomy).

Abhyankar, M.B., B.S. (Bombay), (Physiology).

Mufti Shah Nawaz, M.B.B.S. (Punjab), (Pathology and Bacteriology). (On study leave).

Fazle Karim Khan, M.B.B.S. (Lucknow), (Pharmacology and Materia Medica).

### *Lecturers.*

Syed Mukhtar Husain B.Sc. (Alig.) M.B.B.S. (Luck.) (Anatomy).

M. Nusrat Ali, M.B.B.S. (Luck.), (Pathology and Bacteriology).

M. Ghaus Mohiuddin, M.Sc. (Alig.) (Pharmaceutical Chemist).

Mir Mustafa Ali Zaidi, M.B.B.S. (Osmania), (Physiology).

### *Part-time Professors and Lecturers.*

V. S. Moholkar, M.B.B.S. (Bom.), F.R.C.S. (Edin.), L.M. (Rot.). (Clinical Surgery).

Benkat Chandra, M.B.B.S. (Bom.), M.R.C.P. (Lond.), M.R.C.S. (Eng.), (Medicine).

Khurshid Husain, M.B., Ch.B. (Surgery).

Abdul Rahim, B.A., M.B., Ch.B. (Ophthalmology).

M. M. Siddiq Husain, M.R.C.S. (Eng.), M.R.C.P. (Lond.), D.P.H. (Lond.), D.O.M.S. (Lond.), D.T.M. & H. (Lond.), (Hygiene).



Major M. R. W. Hart, M.R.C.S., L.R.C.P., M.B.E., (Midwifery and Gynæcology).

Capt. Madan Gopal Sanichar, I.M.S., F.R.C.S.E., (Medical Jurisprudence).

M. K. Pandit, (Clinical Medicine).

Venkat Rao, B.Sc. M.B.B.S. (Mysore), D.L.O. (Lond.), (Otorhinolaryngology).

B. J. Ranade, M.B.B.S. (Bombay), (Skin and Venereal Diseases).

C. L. Modi, F.R.C.S. (Ireland), (Orthopaedics).

C. L. Ahluwalia, M.B.B.S. (Punjab), L.R.C.P., M.R.C.S. (England), D.P.H. (London), D.T.M. (Liverpool), (Infectious Diseases).

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## ENGINEERING COLLEGE.

### *Principal.*

Samiullah Shah, B.A., B.Sc. (Hons.) (Manchester), A.M.I.C.E. (London).

### *Professors.*

Samiullah Shah, B.A., B.Sc. (Hons.) (Manchester), Civil Engineering).

S. P. Raju, B.A. (Madras), B.E. (Poona), Doctor of Engineering (Munich), (Hydraulics).

### *Readers.*

P. K. Ghosh, B.Sc. (Cal.), B.A. (Cantab.), (Surveying).

Muhammad Hafizullah, B.Sc. (Allahabad), (Drawing).

Syed Muhammad Abbas, B.Sc. (Allahabad), (Geology).

Syed Abdul Qadir, B.Sc. (Mad.), B.Sc. (Hons.), (Manchester) (Elec. Engineering).

Abdus Samad Sowdagar B.E. (Bom.), A.M.I.E., M.R., San. Inst. (Civil Engineering).

Abdullah Hasan, B.Sc. (Allahabad). (Mechanical Engineer). (On deputation).

Ziauddin Ansari, M.A. (Osmania), B.Sc. (Hons.), (Manchester). (Mechanical Engineer).

### *Part-time Lecturers.*

Syed Ali Raza, B.A., B.Sc. (Hons.) (Manchester), (Irrigation).

Mahmud Alam, B.A., B.Sc. (Manchester) (Railway Engineering).

Wajahat Ali, B.Sc. (San. Engineering).

K. M. Ansari, H.C.S. (Accounts & P.W.D. Procedure).

Syed Aziz Ali, A.R.I.B.S. (Architecture and Town Planning).

### *Rules of Admission, Etc.*

Candidates seeking admission to the College for the B.E. Degree are required:—

(a) To be not under 18 or above 22 years of age.

(b) To produce a health certificate from a Gazetted Government Medical Officer of rank not below that of a Civil Surgeon, to the effect that the candidate is fit for out-door work of the Public Works Department and that he has had small-pox or has been vaccinated,

(c) To have passed the Intermediate Examination of a recognised University taking the following subjects:—

(i) Mathematics.

(ii) Physics.

(iii) Chemistry.

(iv) English.

(d) To produce testimonial of good character.

(e) To sign a declaration form that he will observe the regulations of the University in the College.

(f) To possess satisfactory knowledge of the Urdu language.

The number of students admitted yearly is limited to 20.

Preference will be given to subjects of the Hyderabad State, residents of Berar being considered subjects of His Exalted Highness the Nizam. The final selection will be made by the Principal of the College on the general capabilities of the applicants, who may, if necessary, hold a competitive examination for admission.

Applications should reach the Principal not later than 10th Amardad every year, on prescribed forms, which can be obtained from the Principal of the College.

After the commencement of the Session, students can only be admitted on special grounds, with the sanction of the Principal but no student will be admitted after the last day of Shahrewar.

#### *Attendance and Conduct.*

Students are required to attend with regularity the courses for which they have entered. In cases of absence, a written notice should be sent at once to the Principal, accompanied by a medical certificate in cases of illness likely to be prolonged.

Students arriving late for a lecture or laboratory class will not be registered as having attended.

Students who have not attended regularly or who have absented themselves without the permission of the Principal from the Terminal or Sessional Examination of any class will not be entitled to the certificate of attendance at that class. (Such certificates of attendance are required to admit a student for the Examinations of the University).

*Fees.*

The fee for registration for admission shall be Rs. 5 which will in no circumstances be refunded.

A registration fee of Rs. 10 shall be charged by the University for all students migrating to this University from other University.

The tuition fee payable in advance by students while at the College shall be :—

Sessional rate	..	.. Rs. 100.
Instalment rate (9)	..	.. Rs. 12.

Students will have to provide their expenses for survey and other excursions.

A breakage deposit of Rs. 50 will have to be paid by each student at the time of joining College each Session.

The cost of any articles broken or damaged by any student and of repairing any damage to property, will be deducted from his breakage deposit, the balance of which will be returned one month after the close of the Session. Students will also be held liable for damage beyond the amount of the deposit and may also be held jointly responsible for the damage which is not traceable to any one individual.

Students who are exempted from any subject or subjects in the Part I Examination will have to pay the full examination fee. All payments shall be made to the Registrar through the Principal, Engineering College.

A contribution of Rs. 12 per annum shall be made by each student to the College Athletic Club.

Every student must provide himself at his own cost with drawing instruments, drawing board, T. squares, etc. Surveying instruments will be supplied free of cost while at the College.

Lockers will be provided for the students in the drawing offices at a charge of Rs. 2 per Session. The locker key may be obtained on a deposit of Rs. 2 which will be refunded on return of the key.

*Residence of students.*

Students of the Engineering College desiring to live at any of the University Hostels should apply to the Pro-Vice-Chancellor, through the Principal, Engineering College.

*Scholarships.*

A limited number of scholarships will be offered every year to deserving students. Particulars of scholarships may be obtained from the Principal of the College.

*Exemptions.*

Graduates in Physics may be exempted from attending the classes in that subject, and graduates in Mathematics may be exempted from attending the 1st year classes in Mathematics, but in all cases they will have to satisfy the examiners in their respective examinations.

*Examinations.*

College examinations will be held at the end of each term in the subjects taught during that term.

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## TRAINING COLLEGE.

### *Principal.*

Muhammad Sajjad Mirza, M.A. (Cantab.), C.T. (London).

### *Readers.*

Malik Sardar Ali, B.A., B.T. (Psychology, Principles of Education and Child Education).

Mir Ahmad Ali Khan, M.A. M.Ed. (Leeds) Bar-at-Law, (History of Education, Comparative Education and Method of Teaching History).

### *Lecturer.*

D. D. Shenderker, B.A., B.T., T.D., Ph.D. (London) (School Organization, Educational Tests and Teaching of Mathematics and Science.)

### *Part-time Lecturers.*

Abdul Aziz, B.A. B.T., (Dacca), (Mathematics).

Riazuddin Khan, B.A., B.T. (Alig.), (Geography).

Latif Sayeed, M.B., Ch.B. (School Hygiene).

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## THE BUREAU OF TRANSLATION.

The Bureau of Translation which was opened in Aban 1326 Fasli with Maulvi Abdul Haq Sahib as Curator has so far taken in hand 384 books of which 226 have been published and the rest are either in the Press or under revision and translation. Books on various subjects required by post-graduate students have also been translated.

The staff of the Bureau consists of one Curator (500—1,000), 12 Translators (250—400). The Department of Medical Translations consists of one Supervisor and 3 Translators (500) each. Besides the salaried staff a large number of works is being translated by outsiders on piece-work.

The following gentlemen are on the staff at present:—

Curator	.. Muhammad Elias Burney, M.A., LL.B. (Allahabad).
Supervisor of Medical Translations	.. H. Hyder Ali Khan, L. M. & S. (Bom.), F.R.C.S.E. (Edin.).

Translators:—

History and Political Science	{ Sayyid Muhammad Ibrahim, M.A., M.O.L.
Philosophy	.. Qazi Talamuz Husain, M.A.
Mathematics	.. Ehsan Ahmad, B.A.
Economics	.. Naziruddin, M.A. (Osmania).
Science	.. Rashid Ahmad, B.A.
Medicine	.. Sardar Baldev Singh, B.A.
do	.. Muhammad Osman Khan, L. M. & S.
do	.. Ghulam Dastagir, M.B., B.S.
	.. Muhammad Husain, M.B., B.S.



## THE DAIRAT-UL-MAARIF.

The Dairat-ul-Maarif was founded by the late Nawab Imad-ul Mulk Bahadur (Syed Husain Bilgrami, C.S.I.) and the late Mulla Abdul Qayyum Sahib in 1295 Fasli for the publication of rare books in Arabic. It commenced its work in 1299 Fasli with a grant of Rs. 500 per mensem from His Exalted Highness' Government. Subsequently in 1329 F., an endowment of one lac of rupees was made over to the Institution and in 1331 F., His Exalted Highness was graciously pleased to sanction an additional grant of Rupees four lacs and this total endowment of Rupees five lacs brings an annual income of Rs. 30,000.

The Institution was placed under the control of the University on the sad death of Nawab Imadul Mulk Bahadur on the 2nd Thir 1335 F. (24th Zikadah 1344 H.). Right Hon'ble Sir Akbar Hydari, Nawab Hydar Nawaz Jung Bahadur, P.C. Kt., LL.D., President, Executive Council, is now the Chairman of the Executive Committee with whom the management rests and Nawab Mahdi Yar Jung Bahadur, Educational and Political Member is the Secretary. This Committee is helped by a literary Committee which assists it in selecting books for publication etc. The staff consists of a Superintendent and six Arabic scholars who edit the texts and correct proofs. They are helped in their work by the noted European Orientalist Mr. Krenkow, who secures for the Institution copies of rare books in the British Museum and other European libraries; besides correcting texts, reading proofs, etc. The total number of Arabic books published by this institution is 87 but some of them are in four to twelve volumes. Its publications are in great demand not only in India but in Egypt, Arabia, Afghanistan and Europe.

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## THE NIZAMIAH OBSERVATORY.

*General.*—The history of the Observatory dates from the time the late Nawab Zafar Jung Bahadur presented to the Government two fairly large telescopes, which he had originally purchased for his private use during his sojourn in Europe. When the matter of the bequest was before the Government, Right Hon'ble Sir A. Hydari, Nawab Hydar Nawaz Jung Bahadur, F.C. Kt., LL.D., the then Financial Secretary, now President, Executive Council, in a long note on the subject, referred to the importance of the gift and emphasised the unique opportunity that had been thus afforded for the establishment of an Observatory at Hyderabad, for the cultivation of the science of astronomy. This suggestion was adopted, and on H.H. the Nizam graciously sanctioning the scheme, it was decided to establish a fully equipped Observatory with the two telescopes as a nucleus. Mr. Chatwood was appointed Director in 1908 and soon after his arrival in Hyderabad, he selected a suitable site for the Observatory and promptly started the construction of the necessary additional buildings for the accommodation of the instruments and of a small workshop. The photographic equatorial was erected by the beginning of 1910 when the formal dedication of the Observatory took place. There was some delay in commencing regular work with this telescope as some of the parts had to be returned to England for necessary alterations and a suitable following telescope had to be constructed afresh. By the time Mr. Chatwood's term of office expired in March 1914, he had made a commencement with regular astronomical observations and had also given an efficient training to a small staff of assistants. Mr. Pocock succeeded to the Directorship and vigorously pushed on the astronomical work that the Observatory had undertaken, with the result that substantial progress was achieved in all branches under his direction. His death occurred in October 1918 and by that time two volumes of results were collected and published. In November 1919, the Observatory was transferred to the Osmania University and placed under the administrative control of the University Council.

*Equipment.*—The principal equipment of the Observatory consists of:—

- (1) An 8 inch photographic telescope with accessories.
- (2) A 15 inch visual telescope equatorially mounted (the erection of this instrument was carried on in 1922-23 under the supervision of the present Director).

- (3) A  $2\frac{3}{4}$  inch Transit Instrument and a drum chronograph.
- (4) Three astronomical clocks and two chronometers.
- (5) A set of Electric Transmitting pendulums and dials to operate in connection with them.

To these have recently been added two Milne-Shaw Seismographs now temporarily erected in the basement room of the Astrographic Equatorial house.

*Astronomical work.*—At the time the Observatory was established, it was felt that whatever work is carried on at the institution should form part of a systematic plan and should possess considerable scientific value. Instead of diverting attention among a number of individual isolated researches, the policy of the Observatory had been to adopt a middle course, by carrying on, as a routine programme some outstanding piece of work, in which the co-operation of the institution would to some extent contribute to the general advancement of science at the same time without losing sight of the number of special investigations that arise having a bearing on the central subject. When the Observatory was ready to start on regular work it was recommended by the eminent astronomers, Sir David Gill, Prof. Turner and others, that this institution can advantageously co-operate in the great international undertaking entitled the "Carte du Ciel." As the Government was willing to accede to this recommendation, a section originally assigned to a South American Observatory, but neglected owing to some adverse circumstances was allotted to the Nizamiah Observatory. The region is now very nearly complete and the preliminary results of the whole section have been published.

With the Grubb Equatorial erected in 1923, a start has been made with the regular observation of a few variable stars, specially near their minima when observations with this telescope, on account of the larger light gathering power, are particularly valuable.

The Transit Instrument is employed for determining clock corrections systematically and when the necessary apparatus is acquired, it is proposed to control the time gun at Hyderabad by means of signals from the Observatory Standard Clock.

Daily records are obtained with the Seismograph since September 9, 1923. The results are forwarded to the International Seismological Association.

Since 1929 September, daily observations of upper air conditions by means of pilot balloon flights have been included in the programme of work in co-operation with the India Meteorological Department.

*Publications.*—The Hyderabad Astrographic Catalogue, Vols. I to VII forms the most important among the publications of the Observatory. Several short papers, now numbering about sixty dealing with matters of technical interest have been published in various periodicals.

*Library.*—A small working library is in course of formation and contains at present about 1,200 volumes. A part consists of publications of other observatories received as exchanges.

*Staff.*—The establishment consists of three assistants and nine computers, besides a clerk and a mechanic.

Mr. T. P. Bhaskaran, M.A., F.R.A.S., is the present Director..

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## 17. RULES AND SUBJECTS FOR EXAMINATIONS.

### FACULTY OF ARTS.

#### *Matriculation Examination.*

1. The Matriculation Examination shall be held once a year at Hyderabad, Aurangabad, Gulburga, Warangal and Bhopal at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to:—

- (i) All those who have satisfactorily prosecuted a regular course of study for this examination at one or more High Schools recognised by the Osmania University. Such candidates shall be named *pupil candidates*.
- (ii) All those who have studied privately either in the Dominions or outside for this examination, provided that they shall not have attended any high school recognised by the University for not less than six months prior to the date of the examination.
- (iii) All those who have passed the Maulvi or the Munshi Examination of His Exalted Highness the Nizam's Government, or of the Punjab University up to the year 1906. Such students will have to appear in English only and in the case of those who have passed in the Munshi Examination, in Islamic Theology or Morals also, on passing in which subject or subjects they will be considered to have passed in the whole of the examination.

3. No candidate shall be admitted to the Matriculation Examination unless he shall have completed the age of fifteen years by the first day of Shahrevar (July) of the year in which he applies for admission to the examination.

4. Applications for admission to the examination in the form prescribed must reach the Registrar not less than two months before the commencement of the examination, accompanied by a fee of Rs. 10 in the case of pupil candidates, Rs. 15 in the case of candidates referred to in Rule 2 (ii), and Rs. 5 in the case of candidates referred to in Rule 2 (iii).

5. Pupil candidates must submit the following certificates from the Head-master of the school where they last studied together with their application for admission:—

- (1) Certificate of attendance stating that the student has attended school in the Matriculation class for not less than 75 per cent. of the working days during the school year immediately preceding the examination.
- (2) Certificate of good character and good conduct at school.
- (3) Certificate of age in accordance with Rule 3.
- (4) Certificate of progress in the subjects of study.

When a student has studied in two or more schools during the school year immediately preceding the examination, his combined attendances in all schools attended by him during the period will be taken into account in determining his attendance.

6. Candidates referred to in Rule 2 (ii) must submit the following certificates from the Head-master of a Government High School recognised by this University:—

- (1) Certificate stating that the student has passed a Test Examination held in the schools to test the fitness of candidates appearing from that school for the Matriculation Examination.
- (2) Certificate of good character.
- (3) Certificate of age in accordance with Rule 3.

7. Candidates referred to in Rule 2 (iii) must, in addition to the original certificate showing the examination passed on the basis of which application is being made, submit the following certificates from the Head-master of a Government High School recognised by this University:—

- (1) Certificate stating that the candidate has passed a Test Examination in English and Theology or Morals, held in the school to test the fitness of candidates appearing from that school for the Matriculation Examination.
- (2) Certificate of good character.
- (3) Certificate of age in accordance with Rule 3.

*N. B.*—Teachers from the recognized schools of the University will be exempted from passing a test Examination provided they produce a certificate from the Divisional Inspector of Schools stating that the candidate is eligible for admission to the matriculation examination and that he is expected to get through.

8. Candidates who have once been duly permitted to appear at this examination are entitled to appear at any subsequent Matriculation Examination as private candidates under Rule 2 (ii) and (iii) on production of certificates (1) and (2) mentioned above.

9. On receipt of the application and the fee prescribed and the necessary certificates, the Registrar shall, at least a fortnight before the examination cause to be furnished to the candidate a receipt for the fee received, which will also serve as a ticket of admission to the examination hall to be produced by the candidate when called for.

10. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee.

11. The Matriculation Examination shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions:—

1. European Languages .. Ordinarily in English.
2. Sanskrit, Prakrit or Pali.. In the language itself or in English or in Urdu.
3. Modern Indian Vernaculars. In the language itself or in Urdu.

*N.B.*—In the case of these exceptions, the Registrar will six months before the date of the examination, notify the language in which the paper will be set, and candidates will be expected to answer in that same language unless by a previous arrangement with the Registrar, they have been permitted to answer in any of the alternative languages above specified.

12. The examination will be held in the following subjects:—

#### A. COMPULSORY.

1. English.
2. Urdu.
3. Elementary Mathematics.
4. Elementary Science.
5. Indian History and General Geography of the world.
6. Theology or Morals.

## B. OPTIONAL.

*One of the following subjects:—*

1. A Classical Language.
2. A Modern Language.
3. English History.
4. Algebra and Geometry.
5. Commerce.
6. Biology.
7. Domestic Science (for girls only).

*V.B.* Only those candidates will be admitted to the Intermediate Mathematics Classes, who have taken Algebra and Geometry as their optional subjects.

## \*C. SCHOOL SUBJECTS.

1. Drawing.
2. Physical Training.
3. Manual Training.

\*There will be no University examination in these subjects but the teaching will be Compulsory, and candidates will not be admitted to the Matriculation Examination unless they produce certificates of having satisfactorily completed courses of studies prescribed for these subjects.

## A. COMPULSORY SUBJECTS.

## (1) ENGLISH.

There shall be two papers in English each of two and half hours' duration. The first paper (100 marks) will be on the Detailed Texts, Grammar and Idiom. The second paper (100 marks) will be as follows.—

	Marks
Composition and Translation from Urdu ..	70
Non-Detailed Texts ..	30

## (2) URDU.

There will be two papers each of two hours' duration in this subject; the first paper (50 marks) will be on the prescribed texts and the second will be on Grammar (20 marks) and Composition (30 marks). Questions on Grammar to practical and of easy nature. Essays should be on the subjects of every day interest.

## (3) ELEMENTARY MATHEMATICS:—

There will be two papers of two and half hours' duration each.

Paper I.	Arithmetic ..	30 marks.
	Algebra ..	20 "
„ II.	Practical Geometry ..	30 "
	Mensuration ..	20 "

**\* (4) ELEMENTARY SCIENCE :—**

There will be one paper of three hours' duration carrying 100 marks. The paper shall be divided into sections A (Physics) and B (Chemistry), 50 marks will be assigned to each section.

\*Candidates are expected to perform at least 10 experiments in a year and have a record of their practical work regularly initialled by the teacher in charge. No candidate shall be allowed to appear for the Examination unless he has produced a full record of his practical work. But there shall be no examination in practical science.

**(5) HISTORY AND GEOGRAPHY.**

Two papers each of two hours' duration will be set :—

1st Paper—History of India . . . 50 marks

2nd Paper—General Geography of the  
World with special reference  
to India . . . 50 marks

**(6) THEOLOGY OR MORALS.**

There will be one paper (100 marks) of three hours' duration in this subject.

*N.B.*—Examination in Theology or Morals shall be regarded as qualifying examination and the marks gained by a candidate in the subject shall not be included in the grand total of the marks; but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at that examination.

**B. OPTIONALS.**

**1. A Classical Language :—**

(a) Arabic, (b) Sanskrit, (c) Persian.

or

**2. A Modern Language (Except Urdu) :—**

(a) Marathi, (2) Telugu (3) Kanarese.

There will be two papers in each of these languages, of two hours' each. The first paper will be on the prescribed Texts (60 marks) and the second paper will be on Grammar and Translation carrying 40 marks.

or

**3. History of England :—**

There will be one paper of three hours' duration carrying 100 marks.

or



## 4. Algebra and Geometry :—

There will be one paper of three hours' duration carrying 100 marks :—

Algebra	..	..	40 marks.
Geometry Practical	..	..	20 „
Geometry Theoretical	..	..	40 „

or

## 5. Commerce :—

There will be two papers each of two and half hours' duration carrying 50 marks as detailed below :—

Paper I Elementary Book-keeping.

„ II Commercial Practice.

or

## 6. Biology :—

There will be one paper of three hours' duration carrying 100 marks. The paper will be divided into the following two parts :—

Part 1st: Elementary Biology :—Botany 25 marks and Zoology 25 marks.

Part 2nd: Elementary Human Physiology and Hygiene.

## 7. Domestic Science :—(for girls only).

There will be one paper of 3 hours' duration carrying 100 marks.

13. Successful candidates who obtain 60 per cent. of the aggregate marks shall be placed in the First Class.

Successful candidates of First Class shall be arranged in order of proficiency as determined by the total number of marks obtained. The Second and Third Classes shall be arranged in the serial order of their roll numbers.

14. For a pass in the Second Class candidates should secure either,

(a) 35 per cent. in English,

and 35 per cent. in any three of the following subjects and 30 per cent. in the remaining two :—

1. Urdu.

2. Elementary Mathematics.

3. „ Science.

4. Indian History and Geography.

5. A Classical language, or a Modern language, or English History or Algebra and Geometry, or Commerce or Biology or Domestic Science.

or (b) 35 per cent. in English,

- 35 per cent. in a Classical language or a Modern language, or English History, or Algebra and Geometry or Commerce or Biology or Domestic Science, and  
35 per cent. in any two of the following subjects and 25 per cent. in the remaining two:—

1. Urdu.
2. Elementary Mathematics.
3. " Science.
4. Indian History and Geography.

provided that in order to take advantage of this alternative the candidates secure an aggregate of 35 per cent. of the total marks.

15. For a pass in the Third Class a candidate should secure 30 per cent. in English and 30 per cent. in three of the following subjects, 25 per cent. in the remaining two and an aggregate of 30 per cent.

1. Urdu.
2. Elementary Mathematics.
3. " Science.
4. Indian History and Geography.
5. A Classical language, or a Modern language or English History, or Algebra and Geometry or Commerce or Biology or Domestic Science.

The pass percentage in Theology and Morals shall be 30 per cent.

If a candidate fails to pass in the examination, he may re-appear at any subsequent examination or examinations in those subjects only in which he has failed to secure 30 per cent. marks. He will be declared to have passed the examination under the compartment system if he secures 30 per cent. marks in each subject, but such candidates will not be eligible for admission to the University, and will be exempted from attendance and appearing at the test examination.

Girl candidates, however, who pass under this rule will be eligible for admission to the college till 1347 F.

16. Candidates passing the examination in 3rd class and wishing to secure a higher class will be allowed to appear at the Examination, and if they fail to pass the Examination their failure will not affect their previous success.

17. Failed candidates taking the option of joining the school to complete the examination will have to satisfy all the rules of the School such as attendance and passing the test examination etc.

18. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the division in which he was placed.

19. The Registrar shall maintain and publish for general information, a list of High Schools recognised by the University.

### *Intermediate Examination.*

1. The Intermediate Examination shall be held once a year in Hyderabad, at such time and on such dates as the Syndicate may prescribe.

2. The Examination shall be open to:—

- (i) All Matriculated Students of the Osmania University who have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a college of the University.
- (ii) All those students who have matriculated at any of the Indian Universities or obtained the High School Leaving Certificate or passed any other such examination as the University may from time to time consider equivalent, and who have been admitted as undergraduates of the University, and have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a college of the University.

*N.B.*—(a) Students who have obtained a High School Leaving Certificate of His Exalted Highness' Government can be admitted to a college of the University only at the discretion of the Principal.

(b) Students who have obtained the certificates issued by the High School Leaving Certificate Board in the various Provinces of the British India, will be admitted to the University in case, they are eligible for admission to a University of the Province to which they belong and can satisfy the Principal as to their knowledge of Urdu

- (iii) Students who have satisfactorily prosecuted a regular course of study for the year immediately preceding the examination at a college of the University and who have been permitted under Regulation 3 below, to reckon a previous year of study at a college of any University recognised for the purpose by the University.

3. Any student may be admitted into the second year class of a college of the University provided he produces a certificate from the Principal of the college he was last attending, (affiliated to any of the Universities recognised by the University), stating that the first year at college has been duly kept by him according to regulations in force at the University from which he is migrating and that in the Principal's opinion he was fit for promotion to the second year class of that college.

4. No candidate from a college of the University will be permitted to present himself at the Intermediate Examination in any Science subject, for which a practical course is necessary under these rules, unless he shall produce a certificate from the Principal of such college to the effect that he has completed the required course in the college laboratories. In the case of candidates in Science subjects under Regulation 5 of these rules, evidence must be produced that the candidate has completed the required course at a laboratory approved of by the University.

5. Persons coming under the following descriptions, though not belonging to a college of the University, will be allowed to appear privately for this examination :—

- (a) Inspecting Officers of the State Educational Department and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department provided they are certified by the Divisional Inspector of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.
- (b) Laboratory assistants serving in a college of the University, provided that they produce from the Principal of the college in which they are employed, the certificate of laboratory work required from all Science candidates under regulation 4, and also a certificate from the same authority of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.
- (c) The teachers of schools recognized by the Educational Department of Bhopal provided they are certified by the Director of Public Instruction Bhopal of having rendered three years' continued and approved service.
- (d) Women candidates.

Provided also that in all the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Matriculation Examination or its equivalent.

6. Private Candidates shall not be allowed to take up any subject unless provision has been made for the teaching of that subject in the University College. They should therefore ascertain, from the Registrar, before applying for permission, whether regular students of the University are taking up those subjects.

7. Candidates from the colleges of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as private candidates to a subsequent examination, provided they do not change the subjects they had studied at college. In case they change any of their subjects they shall be required to put in fresh attendance in the college in the subject or subjects they have changed.

8. Application of private candidates for admission to the examination, in the form prescribed, must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 20.

In the case of college candidates, applications for admission and certificates of attendance in the prescribed form together with a fee of Rs. 20 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination. In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

9. No student of the University will be allowed to appear at the examination unless he has attended at least 75 per cent. of the lectures delivered during the course of each year leading up to the examination in each of the subjects of his study, and that where practical work forms part of a subject of study 75 per cent. attendance in practical classes also will be required.

10. Upon the receipt of the application and the fee prescribed and also the attendance and progress certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall to be produced by the candidate in the hall, if called for.

*N.B.*—A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

11. The Intermediate Examination shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions:—

- (1) European Languages .. Ordinarily in English.
- (2) Sanskrit, Prakrit or Pali .. In the language itself or in English or in Urdu.
- (3) Modern Indian Vernaculars In the language itself or in Urdu.

*N.B.*—In the case of these exceptions, the Registrar will, six months before the date of the examination, notify the language in which the paper will be set and candidates will be expected to answer in that language unless by a previous arrangement with the Registrar they have been permitted to answer in any of the alternative languages above specified.

12. The subjects for examination and the arrangements of the papers to be set in the different subjects shall be as follows:—

I. ENGLISH—Three papers.

In English there will be three papers each of three hours' duration, one on Detailed Prose texts (100) marks, one on Poetry (65 marks) and Non-Detailed Prose texts (35 marks) and a third paper (100 marks) on Composition, Unseens and Translation..

11. Any three subjects from either of the following two groups:—

GROUP A..

NOTE (1)—Under this group only the following combinations of subjects shall be allowed—

- A. Logic, Psychology, and a Classical Language or Economics or Sociology.
- B. (a) A Classical Language, Modern Language, and one of the following:—
  - English History.
  - Indian History.
  - Islamic History.
  - Economics.
  - Sociology.

*N.B.*—Persian to be treated as Classical language.

- (b) Arabic, Persian, and either Islamic History or Indian History.

\*c. (a) English History.

(b) One of the following:—

Islamic History.

Indian History.

European History.

(c) A Classical Language, (Arabic, Persian and Sanskrit) Marathi or Telugu or Economics or Sociology.

(d) History, Geography and Economics.

\*Candidates offering these combinations only will be allowed to take History for their B.A. Examination.

Only those candidates will be allowed to take up History of Indian Culture at their B.A. Examination who have offered Indian History for their Intermediate Examination.

Only those candidates will be allowed to take up School of Economics for their B.A. Examination who have offered Economics for their Intermediate Examination.

(1) Classical Languages:—

Arabic, Persian, Sanskrit, Latin and Greek.

Two papers each of three hours' duration will be set in each of these languages. The first paper (100 marks) will be on the prescribed text-books. The second paper (100 marks) in all the languages except Arabic will be on Grammar and consist of pieces of Urdu prose for translation into the languages selected.

The division of the marks in Arabic 2nd paper will be as follows:—

Grammar . . . . . 40 marks.

Translation from Arabic into Urdu 30 „

Translation from Urdu into Arabic 30 „

(Questions on non-detailed texts in Arabic will be set in paper II.)

(2) Modern Languages: --

Urdu, Persian, (unless already taken under 1), Marathi, Telugu, Kanarese, French and German.

Two papers each of three hours' duration will be set in each of these languages. The first paper (100 marks) will be given on the prescribed text-books. The second paper (100 marks) on Grammar, Composition and Translation will consist of an essay and questions on composition and pieces of Urdu prose for translation into the language selected.

In Urdu the distribution of papers will be as follows:—

Paper I.—Prose	..	50 marks.
Poetry	..	40 „
Non-Detailed	..	10 „
Paper II.—Grammar, Prosody, etc.	..	25 „
Composition	..	50 „
Translation from Urdu into	15	„
Hindi		
Translation from Hindi into	10	„
Urdu		

- (3) ISLAMIC HISTORY.—From the birth of the Prophet up to the end of the Moorish Empire in Spain and the decline of the Fatemide Caliphate.

Two papers each of three hours' duration will be set which will include questions on historical geography:—

Paper I.—The Prophet, first four Caliphs and Omeiyades.

Paper II.—Abbasides, Muslim rule in Spain and the Fatemide Caliphate.

- (4) INDIAN HISTORY (with special reference to the History of the Deccan).

Two papers each of three hours' duration will be set which will include questions on historical geography:—

Paper I.—Up to the year 1526 A.D.

Paper II.—From 1526 to the present day.

- (5) ENGLISH HISTORY.—Political and Constitutional, 1066 to the present day.

Two papers each of three hours' duration will be set which will include questions on historical geography:—

Paper I.—1066 to 1488 (general knowledge of the development of the constitution up to 1066).

Paper II.—1485 to the present day.

- (6) ANCIENT EUROPE (Greek History up to the Roman Conquest and Roman History up to 476 A.D.)



Two papers each of three hours' duration will be set which will include questions on historical geography :—

Paper I.—Greek History, up to 146 B.C.

Paper II.—Roman History, up to 476 A.D.

(7) MEDIEVAL EUROPE, 476 to 1453.

Two papers each of three hours' duration will be set which will include questions on historical geography :—

Paper I.—476 to 1096.

Paper II.—1096 to 1453.

(8) MODERN EUROPE (1453 onwards).

Two papers each of three hours' duration will be set which will include questions on historical geography :—

Paper I.—1453 to 1789.

Paper II.—1789 to the present day.

(9) ECONOMICS.

There shall be two papers in Economics, each of three hours' duration :—

Paper I.—General Economics.

Paper II.—Indian Economics.

(10) SOCIOLOGY.

There shall be two papers in Sociology each of three hours' duration :—

Paper I.—Theoretical Sociology.

Paper II.—Practical Sociology.

(11) GEOGRAPHY.

There will be two papers in Geography each of three hours' duration :—

Paper I.—(1) The Physical basis of Geography (2) The General Regional Geography of the World with special reference to Indian Empire, and (3) the Economic Geography with special reference to India.

Paper II.—(1) Cartography, (2) Biogeography and (3) Elementary History of Geographical discovery and exploration.

(12) LOGIC.—Deduction and Induction.

There will be two papers in Logic each of three hours' duration :—

Paper I.—Deductive Logic.

Paper II.—Inductive Logic.

(13) PSYCHOLOGY.

There will be two papers in Psychology, each of three hours' duration:—

Paper I.—Problems and Methods of Psychology, Physiological Organism and Nervous System, Sensation, Preception, Discrimination and Association, Attention, and Habit.

Paper II.—Rest of the subject.

GROUP B.

(1) PHYSICS.

There will be two papers in Physics each of three hours' duration.

Paper I.—General Properties of Matter, Heat and Sound 75 marks.

Paper II.—Light, Electricity and Magnetism. 75 „

There will also be a Practical examination of three hours' duration for which 50 marks will be assigned.

(2) CHEMISTRY.

There will be two papers in Chemistry each of three hours' duration.

Paper I.—General Chemistry and Organic Chemistry 75 marks.

Paper II.—Metals and Non-Metals 75 „

There will also be a Practical examination of four hours' duration for which 50 marks will be assigned.

(3) BIOLOGY.

BOTANY.—Paper I. Theoretical .. 2½ hours 60

Paper II. Practical .. 2 hours 40

ZOOLOGY.—Paper I. Theoretical .. 2½ hours 60

Paper II. Practical .. 2 hours 40

N.B.—In order to secure a pass the candidate shall have to obtain 33 per cent. of the full marks in the subject and a minimum of 20 per cent. in each of the branches, *viz.*, Botany and Zoology.

(4) MATHEMATICS—

There will be three papers in Mathematics each of three hours' duration and will be divided into two sections, a certain

minimum number of questions being compulsory from each section. Choice of questions to the extent of 40 percent. may be allowed:—

<i>Paper I.</i>	<i>Marks.</i>	
Algebra	.. 40	} 80 Marks.
Trigonometry	.. 40	
<i>Paper II.</i>		
Geometry—Plane & Solid	40	} 60 Marks.
Geometrical Conics.	.. 20	
<i>Paper III.</i>		
Analytical Geometry	.. 30	} 60 Marks.
Calculus	.. 30	

### III. THEOLOGY OR MORALS.

There will be one paper of three hours' duration in this subject, carrying 100 marks.

*N.B.*—Examinations in Theology or Morals shall be regarded as qualifying Examinations and the marks gained by a candidate in the subjects shall not be included in the grand total of the marks; but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at the Examination.

13. No candidate shall be declared to have passed the examination unless he obtains 33 per cent. of the full marks in each subject. Should a candidate, however, not obtain 33 per cent. of the full marks in *one subject only*, he shall be declared to have passed the examination, provided he secures not less than 30 per cent. in that subject and makes an aggregate of 40 per cent.

14. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the First Class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second and Third Classes shall be arranged in the serial order of their roll numbers.

15. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

16. For the purposes of the Compartment System, the examination shall be divided into the following two groups:—

- (1) English
- (2) Optional subjects.

A candidate passing in any one of these groups shall be exempted from appearing in that group at a subsequent examination, provided that he has secured not less than 35 per cent. of the marks in the aggregate and that in the group in which he fails he makes an aggregate of not less than 25 per cent. But the candidate who so fails to pass in one group shall be allowed, if he so desires, to appear for the whole of a subsequent examination.

The results of candidates taking the option of appearing in the whole examination in a subsequent year, will be adjusted solely on the merits of the subsequent examination.

No candidate shall be classed unless he has passed in the whole examination at one attempt.

Candidates who appear in a subsequent Examination in the group in which they failed in the previous examination, will be required to secure 33 per cent. of the marks in each subject of the group.

### *B. A. Examination.*

1. The examination for the degree of Bachelor of Arts shall be held once a year in Hyderabad, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to:—

- (1) All students who have satisfactorily completed a regular course of study in a college of the University for not less than two academic years after passing the Intermediate Examination of the University or an examination or test accepted by the University as equivalent thereto.
- (2) Students who have satisfactorily prosecuted a regular course of study for the year immediately preceding the examination at a college of the University and who have been permitted, under Regulation 3 below, to reckon a previous year of study since passing the Intermediate Examination or its equivalent at a college of a University recognised for the purpose by the University.

3. Any student may be admitted to the final class of a college of the University, provided he produces a certificate from the Principal of the college (affiliated to any of the Universities recognised by the University) he was last attending, that the penultimate year of his degree course at college has been duly kept according to the regulations in force at the University from which he is migrating and that in the Principal's opinion he was fit for promotion to the final class of that college.

4. Persons coming under the following descriptions, though not belonging to a college of the University, will be allowed to appear privately for this examination:—

(a) Inspecting Officers of the State Educational Department and whole-time teachers employed in Educational Institutions recognised by the University or by the Educational Department, provided they are certified by the Divisional Inspector of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the Examination.

(b) Whole-time teachers employed in schools recognised by the Educational Department of Bhopal provided they are certified by the Director of Public Instruction, Bhopal to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the Examination.

(c) Women candidates.

Provided also that in all the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Intermediate Examination or its equivalent.

5. Candidates from a college of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as private candidates to a subsequent examination, provided they do not change the subjects they had studied at college. In case they change any of their subjects they shall be required to put in fresh attendance in the college in the subject or subjects they have changed.

6. Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of that subject in the University College. They should therefore ascer-

tain, from the Registrar, before applying for permission, whether regular students of the University are taking up those subjects.

7. Applications of private candidates for admission to this examination, in the form prescribed must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 30.

In the case of college candidates, applications for admission and certificates of attendance and progress in the prescribed form together with a fee of Rs. 30 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination. In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

No student of the University will be allowed to appear at the Examination unless he has attended at least 75 per cent. of the lectures delivered during the course of each year leading up to the examination in each of the subjects of study.

8. Upon the receipt of the application and the fees prescribed and also the attendance certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate, a receipt for each fee received, which will also serve as a ticket of admission to the examination hall, to be produced by the candidate in the hall, if called for.

*N.B.*—A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

9. The B. A. Examinations shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions:—

- |                                |    |   |
|--------------------------------|----|---|
| (1) European Languages         | .. | Ordinarily in English.                            |
| (2) Sanskrit, Prakrit or Pali. | .. | In the language itself, or in English or in Urdu. |
| (3) Modern Indian Vernaculars  |    | In the language itself, or in Urdu.               |

*N.B.*—In the case of these exceptions, the Registrar will, six months before the date of the examination, notify the language in which the paper will be set, and candidates will be expected to answer in that language unless by a previous arrangement with the Registrar they have been permitted to answer in any of the alternative languages above specified.

10. The subjects for examination are as follows:—

I. English.

II. One of the following schools:—

- (a) Languages.
- (b) Mathematics.
- (c) History.
- (d) Economics.
- (e) Philosophy.

III. Theology or Morals.

I. *English*:—

4 papers as follows:—

			Marks
(i) Detailed Prose	..	80	100
History of Literature	....	20	
(ii) Detailed Poetry	..	80	100
History of Literature	..	20	
(iii) Essay	..	75	100
Unseens	..	25	
(iv) Non-Detailed Texts	....	70	100
Translation from Urdu into English	..	30	

NOTE.—Questions on the History of Literature will be compulsory.

II. (a) *Languages*:—

One of the following Classical Languages:—

- Arabic.
- Persian with Elementary Arabic.
- Sanskrit.
- Latin.
- Greek.

AND one of the following Modern Languages:—

- Persian (unless already taken), with Elementary Arabic.
- Urdu with Hindī Bhasha.
- Telugu.
- Marathi.
- Kanarese.
- French.
- German.

A knowledge of the history of the language and literature in the languages selected will be required.

There will be three papers in each of the two languages selected.

CLASSICAL LANGUAGES:—

The first paper in Arabic and Sanskrit will be on Prose (75 marks) and History of Literature (25 marks); the second paper will be on Poetry (75 marks), and Rhetoric and Prosody (25 marks); and the third paper will be as follows:—

ARABIC:—	Translation from Arabic into Urdu ..	40	marks.
	Translation from Urdu into Arabic ..	40	”
	Grammar ..	20	”
SANSKRIT:—	Translation from Sanskrit into Urdu	35	”
	Translation from Urdu into Sanskrit	35	”
	Grammar ..	30	”

PERSIAN:—

The arrangement of the first and second papers in Persian will be the same as of those in Arabic and Sanskrit. The third paper will be as follows:—

Translation from Urdu into Persian ..	30	marks.
Composition ..	40	”
Arabic Grammar 12	} 30	”
Translation from Arabic into Urdu 18		

MODERN LANGUAGES:—

The first and second papers in Modern Languages will be the same as in Arabic and Sanskrit, but the first paper in Urdu will contain a question on precis-writing which would carry not less than 10 marks.

The distribution of marks in the 1st and 2nd papers in Telugu and Kanarese will be as follows:—

Paper I	Prose ..	50	marks.
	Drama ..	50	”
Paper II	Poetry ..	50	”
	History of Literature ..	25	”
	Prosody and Rhetoric ..	25	”

The third paper in all the Modern Languages with the exception of Urdu will be on composition (75 marks) and precis-writing (25 marks).

The third paper in Urdu will be on composition (70 marks) and Hindi Bhasha (30 marks). There will be two questions on Bhasha one being on translation from Urdu into Bhasha (18 marks) and the other on translation from Bhasha into Urdu (12 marks).



(b) *Mathematics* 6 papers of 100 marks each :—

Paper I.—Algebra, Theory of Equations, Trigonometry and Pure Geometry.

Paper II.—Analytical Geometry of two dimensions and three dimensions and Differential Calculus.

Paper III.—Integral Calculus and Differential Equations.

Paper IV.—Statics and Hydrostatics

Paper V.—Graphical Statics and Dynamics and Elementary portion of rigid Dynamics in two dimensions.

Paper VI.—Astronomy and Astro-Physics.

(c) *History*.

Principal

Paper I. General Historical Essay.—100 marks

Paper II. Indian History—100 marks.

One of the following periods :—

Ancient—upto 1206.

Medieval—1206 to 1765.

Modern—1765 Onwards upto the present day.

Paper III. General, containing :—

(1) History of the Deccan, covering the period of Indian History taken by the candidate.

(2) Elements of the Cultural History of India with reference to the period of Indian History taken by the candidate.

(3) Constitutional History of Modern India.

*N.B.*—Questions on Sections (1) and (2) will be set by the Examiner in Indian History and those on Section (3) by the Examiner in Political Science.

Paper IV. One of the following—100 marks :—

(1) Select period of Islamic History.

(2) Select period of European History.

(3) The whole of English Constitutional History.

(4) The whole of the History of Indian Culture.

*Subsidiary.*

Paper V. Political Science. (Theoretical and Comparative)  
100 marks.

Paper VI. Economics or Sociology (Theoretical and Applied)  
—100 marks.

1. No student will be allowed to go up for his B. A. Examination unless he has taken Economics either in his Intermediate or B. A. Examinations.

2. A student will not be allowed to take the same subject which he had selected in the Intermediate; in other words a student who took Sociology in the Intermediate shall take Economics, and those who had selected Economics shall take Sociology.

A.B.—Candidates will be expected to answer questions on Historical Geography.

(d) *Economics.*

Paper I. Principles of Economics and History of Economic Thought.

Paper II. Money, Banking and International Trade.

Paper III. Economic History of

(a) India since the breakdown of the Moghal Empire.

(b) England since the Industrial Revolution.

Paper IV. Agricultural Economics and Co-operation.

Paper V. (a) Indian Industries and Trade.

(b) Public Finance.

Paper VI. Sociology.

(a) Theoretical.

(b) Applied Sociology and Indian Social Institutions.

(e) *Philosophy* :—

(i) General Philosophy.

Paper I—Nature, Schools and Problems of Philosophy.

Paper II—A brief sketch of the History of Philosophy together with a special study of an original work of any of the following Philosophers :—

Descartes, Berkeley or David Hume.

(ii) Oriental Philosophy.

Paper III—Hindu Philosophy.

Paper IV.—Outlines of Islamic Philosophy, Kalan and Sufism

(iii) Psychology.

Paper V—Elements of Psychology with allied Physiology.

(iv) Ethics.

Paper VI—A brief study of Theoretical and Practical Ethics.

III. *Theology or Morals* (one paper)

N.B.—Examinations in Theology or Morals shall be regarded as qualifying Examinations and the marks gained by a candidate in the subject shall not be included in the grand total of the marks; but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at that examination.

11. No candidate will be allowed to appear for the B. A. Examination unless he produces a certificate from the Head of the Department of English that he has written 20 essays during the course of two years' study. Failures who join the college will be required to write 10 essays. Students taking up History as their optional subject will be required to write 25 essays and those candidates who join the college after failing in an Examination will be required to write 12 Essays.

12. No candidate shall be declared to have passed the examination unless he obtains 33 per cent. in each subject.

*N.B.* (a) Candidates taking school of Languages will have to secure at least 25 per cent. of marks separately in each of the two languages, and 33 per cent. in the aggregate.

(b) Candidates taking the school of Mathematics will have to secure at least 25 per cent. of marks separately in the pure as well as in the Applied Mathematics, and 33 per cent. in the aggregate. Out of the six papers the first three papers will be regarded as Pure and the remaining three will be regarded as Applied Mathematics.

(c) Candidates taking the School of History will have to secure 25 per cent. separately in the Principal as well as in the subsidiary subjects, and 33 per cent. in the aggregate.

13. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the First Class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second and Third Classes shall be arranged in serial order of their roll numbers.

14. A certificate signed by the Chancellor shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

15. Any student who fails to pass the examination on account of his having failed to obtain 33 per cent. in English or in his selected subject, will be considered to have passed the whole examination on his passing at a subsequent examination merely

in the subject in which he failed, provided that the marks gained by him in such subject in the previous examination do not fall short of 25 per cent. and provided in that examination he has secured an aggregate total of 40 per cent.

### *M. A. Examination.*

1. An examination for the degree of Master of Arts shall be held annually in Hyderabad at such time and on such dates as may be prescribed by the Syndicate.

2. The M. A. Examination shall be conducted by means of printed papers and *viva voce* when necessary. Papers will be set and answered in Urdu unless otherwise notified.

3. The examination shall be open only to Bachelors of Arts and Bachelors of Science of the University or Bachelors of Arts or Bachelor of Science of a recognised University who have passed the B.A., or B.Sc. Examination not less than two academic years previously and have since then prosecuted a regular course of study for not less than two academic years in a constituent college of the University.\*

No candidate shall be allowed to put in regular attendance, or to appear, at the M.A. and LL.B. Examinations at one and the same time.

4. No student of the University will be allowed to appear at the Examination unless he has attended at least 75 per cent. of the lectures delivered during the course of each year leading up to the Examination, in each of the subjects of study.

5. A candidate for admission to the M.A. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 60. Every candidate shall produce a certificate in the form hereinafter prescribe to the effect that he has prosecuted a regular course of study for the examination.

6. The examination shall be held for the present in the following subjects:—

1. English.
2. Arabic.
3. Persian.
4. Urdu.
5. History.
6. Economics.
7. Philosophy.
8. Mathematics.

\*Lady candidates shall be allowed to appear privately in Arabic, Persian and Urdu only.

In Arabic, Persian, Urdu, History and Philosophy there will be two Examinations—Previous and Final—and the candidates will be examined at the end of each year.

(1) ENGLISH:—

There shall be 8 papers of 100 marks each and a *viva voce*:—

- I. Part (1) The development of the English Language from early to modern times.
- Part (2) Chaucer.
- II. Shakespeare and the Elizabethan Drama.
- III. Spenser to Milton.
- IV. Dryden to Johnson.
- V. The Age of Wordsworth.
- VI. Victorian Literature.
- VII. Contemporary Literature.
- VIII. Essay on a literary subject.

(2) ARABIC:—

PREVIOUS EXAMINATION:—Four papers .. 400 marks.

1st Paper Poetry .. 100 ..

2nd „ Prose .. 100 ..

3rd „ Translation from Urdu into Arabic and Composition .. 100 ..

4th „ Rhetoric and Prosody .. 100 ..

FINAL EXAMINATION:—Two Papers and a Thesis .. 400 ..

1st Paper, History of Arabic Literature from Jahiliyat to present day .. 100 ..

*N.B.*—The student will be required to study particularly the period of the History of the Abbasides.

2nd Paper, A. Hebrew, French or German Grammar and translation into Urdu of easy Hebrew, French or German passages,

50 marks.

B. Prose and Poetry (Modern) 50 ..

Thesis and *Viva Voce* .. 200 ..

The Thesis will be of about 50 pages and will be written under the supervision and with the advice of the professor concerned on a subject approved of by the Board of studies in Arabic.

The Examiners of the Thesis will also hold a *Viva Voce* Examination to satisfy themselves that the students have availed themselves of original sources.

## (3) PERSIAN:—

PREVIOUS EXAMINATION.—Four papers		.. 400 marks.
1st Paper—Poetry (Classical)	..	100 „
2nd „ —Prose	..	100 „
3rd „ —Set Composition in Persian on modern topics	..	100 „
4th Paper—Translation into Urdu from books prescribed in Arabic and Persian, Rhetoric and Prosody	..	100 marks.
FINAL EXAMINATION:—(Two papers and a Thesis)		.. 400 „
1st Paper—Literary history of Persia from the earliest times to the Mongols.	..	100 „
2nd „ —Literary history of Persia from the Mongol Period to the present day	100	„
Thesis	.. ..	200 „

The Thesis will be of about 50 pages and will be written under the supervision and with the advice of the Professor concerned, on a subject approved by the Board of Studies in Persian. It will be valued by two or three experts. There will be a *viva voce* Examination. The candidate will have to satisfy the examiners that he has availed of original sources.

The Thesis may be submitted on any one of the following subjects:—

- (1) Evolution of the Persian Language and Literature
- (2) Literary criticism of any particular period.
- (3) Research in any particular branch of Literature.
- (4) Lives of famous authors and reviews on their work
- (5) Critical edition of an important work with an introduction to it.
- (6) Development of the Persian Language in India.
- (7) Treatment of any controversial problem relating to the history, literature and civilisation of Persia in the light of modern research.

## (4) URDU:—

PREVIOUS EXAMINATION:—Four papers		.. 400 marks.
1st Paper—Old Urdu	..	100 „
2nd „ —Poetry	..	100 „
3rd „ —Prose	..	100 „
4th „ —Poetry	..	100 „

**FINAL EXAMINATION:—**(Two papers and a Thesis). 400 „

1st Paper—History of the Urdu Language and Literature .. 100 „

2nd „ Hindi Bhasha .. 100 „

Writing a Thesis or editing a book .. 200 „

The Thesis will be written with the advice and under the supervision of the Professor concerned on a subject recommended by the Professor and approved by the Board of Studies in Urdu.

Only those candidates will be admitted to the M.A. Examination in Urdu or Persian who have graduated with Urdu and Persian.

#### (5) HISTORY.

**PREVIOUS EXAMINATION:—**Four papers .. 400 marks.

1st Paper—Early Political Institutions (Indian, Islamic, and European) upto 1,500.

or

Later Political Theories from 1,500 upto present day.

2nd Paper—Early Political theories (Indian, Islamic and European) upto 1,500.

or

Later Political Institutions from 1,500 upto present day.

*N. B.* Students shall study the Political Theories of only that period the political institutions of which they have selected for study in Paper 1 above.

3rd and 4th Papers—Intensive study of two of the following, 100 marks each:—

(a) A period of Indian History with reference to the History of the Deccan.

In the Medieval period 1684—1707 is prescribed for 1936 to 1939. In the Modern period 1880—1919 is prescribed for 1936 to 1939.

(b) A period of Islamic History.

For 1938 Khulafai Rashida (Hazrat Omar and Hazrat Osman) and for 1939 Khilafat-Abdul Malik and Walid is prescribed.

(c) A period of Modern European History.

1852—1871 is prescribed for 1938 and 1939.

(d) A period of English Constitutional History.

1832—1901 is prescribed for 1938 and 1939.

## FINAL EXAMINATION:—

1st Paper—General Historical Essay .. 100 marks.  
2nd Paper.

(a) A special topic of Comparative Politics.  
(The working Constitution of India  
and of British Self Governing Domi-  
nions) .. 50 marks.

(b) A special topic of Political Theories.  
(The Political Theories of Imam  
Ghazzali) .. 50 marks.

Thesis—Containing at least 10,000 words writ-  
ten on a subject taken by the candi-  
date for his M. A. .. 200 „

Viva Voce—(a) General, to test the general  
efficiency of the candidate in the  
papers offered by him for Previous  
and Final Examinations. } 50 „  
(b) Language, to test whether the candi-  
date has used the authorities for his  
thesis in their original form .. 50 „

*N.B.*—(1) No candidate will be deemed to have passed the M. A., (History)  
Examination unless he obtains not less than 30 per cent. of the  
marks in 2nd Paper of the Final Examination.

(2) Only those candidates who have passed the B. A., Examination  
in History or who have taken the M. A., degree in any other  
subject and who have prosecuted a regular course of study for  
not less than one academic year at one of the constituent col-  
leges of the University will be allowed to sit for the Previous  
Examination. In the same way only those candidates will be  
allowed to sit for Final Examination who have already passed  
the Previous Examination and have since prosecuted a regular  
course of study for not less than one academic year at one of the  
constituent colleges of the University.

(3) The subject for the thesis and the choice of the language offered  
must be sanctioned by the Board of Studies in History at least  
one calendar year before the examination. No candidate will  
be allowed to offer his own mother-tongue for his viva voce.

(4) The special topics and periods will be announced at least one  
calendar year before the examination but not more than one  
special topic or period will be so prescribed for each year.

(5) Every candidate shall submit two copies of his thesis at least one  
Fasli month before the first day of the examination. The Re-  
gistrar will on the declaration of the result deposit one of these  
copies in the University archives, while the other copy will be  
sent to the University College Library for safe custody and  
use

(6) The thesis submitted by the candidates will be compiled with  
the advice and under the guidance of the Professor concerned.

(7) In submitting their thesis and while answering their papers, candi-  
dates should always bear in mind that according to Islamic  
etiquette due reverence should be shown towards Islam, emi-  
nent Islamic personages and Islamic teachings.



## 6. ECONOMICS.

PREVIOUS EXAMINATION :—Five Papers .. 500 marks.

1st Paper: Advanced Principles of Economics 100 „

2nd „ : History of Economic Doctrines .. 100 „

3rd „ : Indian Economic Problems. .. 100 „

4th „ : Any one of the following:— .. 100 „

(a) Sociology.

(b) Politics.

(c) Economic History of the Great Powers, viz, England, U. S. A., France, Germany, Russia and Japan.

5th Paper Essay. .. .. 100 marks.

FINAL EXAMINATION. .. .. 500 „

Thesis. .. .. 300 „

Viva Voce. .. .. 200 „

- (1) The Thesis should be on a topic relating to any aspect of the economic and social life of India or any part of India, or it may consist of an enquiry, both historical and descriptive into the economic and social conditions of any particular local industry, or of particular class of the population.
- (2) The Thesis will contain at least 10000 words and will be written under the supervision of a University teacher on a subject recommended by the Head of the Economics and Sociology Department, and approved by the Board of studies in Economics and Sociology.
- (3) Every candidate shall submit two typed copies of his Thesis at least one month before the commencement of the Examination.

## 7. PHILOSOPHY.

PREVIOUS EXAMINATION :—

1st Paper—Oriental Philosophy, Indian or Islamic.

2nd „ One Special Philosopher from among the Western thinkers.

3rd „ Metaphysics with special reference to contemporary thought.

4th „ Essay.

5th and 6th Papers—Two of the following :—

1. Logic and Epistemology.
2. Aesthetics.
3. Philosophy of Religion.
4. Ethics and Political Philosophy.
5. Psychology.

## FINAL EXAMINATION:—

A Thesis of not less than 10,000 words on any subject of Philosophy previously approved of by the Board of Studies .. .. 200 marks.

*Viva Voce* :

1st & 2nd Papers:— .. .. 200 „  
Two subjects allied to the subject of the Thesis.

## (6) MATHEMATICS:—(Nine papers).

1st Paper—Algebra, Theory of Equations. Plane Trigonometry. Differential Equations.

2nd „ Pure Geometry.  
Analytical Geometry (Pure and Solid.)  
Differential Geometry—Curves and Surfaces.

3rd „ Calculus (Differential and Integral).  
Theory of Functions of a real variable.

4th „ Theory of Functions of a complex variable.  
Elliptic Functions excluding: Functions.  
Fourier Series.

5th „ Attractions.  
Electricity and Magnetism.

6th „ Analytical Statics of two and three dimensions.  
Dynamics of a particle.  
Rigid Dynamics in two dimensions only.

7th „ Hydrostatics including Capilarity.  
Hydrostatics excluding Vortex Motion and Sound.

8th „ Spherical Trigonometry.  
Spherical Astronomy, Optics.

9th „ Problem and Essay paper consisting of two sections. In the first section at least two problems to be solved and in the other section not more than two essays to be written.

7. In order to pass the Examination, a candidate must obtain 40 per cent. of the marks in the aggregate. No minimum pass marks shall be required in each paper, but if in any paper a candidate obtains less than one-fifth of the marks allotted, those marks shall not be included in his aggregate. Successful candi-

dates obtaining not less than 65 per cent. of the total marks shall be placed in the First Class, those obtaining less than 65 per cent. but not less than 50 per cent. in the Second Class and the rest in the Third Class.

The results of the Previous Examinations will only be declared and will not be classified. The marks obtained by the candidates at the Previous Examination will be added to the marks gained by them at the Final Examination and the rank secured by them will be determined accordingly.

8. A candidate who fails to pass or to present himself for the examination for whatever reason shall not be entitled to claim a refund of the fee, but he may be admitted without further attendance at lectures to any subsequent examination on the payment of a like fee.

9. Each candidate successful at the Final Examination shall receive a certificate signed by the Chancellor setting forth the subject in which he was examined, and the class in which he was placed.

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## FACULTY OF SCIENCE.

### *B. Sc. Examination.*

1. The examination for the degree of Bachelor of Science shall be held once a year in Hyderabad, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to:—

(a) All students who have satisfactorily completed a regular course of study in a College of the University for not less than two academic years after passing the Intermediate Examination of the Osmania University or an examination or test accepted by the University as equivalent thereto, with Physics and Chemistry as their optional subjects.

(b) Students who have satisfactorily prosecuted a regular course of study for the year immediately preceding the examination at a College of the Osmania University and who have been permitted under Regulation (3) below to reckon a previous year of study since passing the Intermediate Examination or its equivalent at a College of a University recognized for the purpose by the University.

3. Any student may be admitted to the final class of a College of the Osmania University provided he produces a certificate from the Principal of the College (affiliated to any of the Universities recognized by the University) he was last attending that the penultimate year of his degree course at College has been duly kept according to the regulations in force at the University from which he is migrating and that in the Principal's opinion he was fit for promotion to the final class of that College.

4. A candidate who has passed the B. Sc. Examination with a particular subject as his subsidiary shall be permitted to re-appear for the B. Sc. Examination with the same subject as *main* provided that he has undergone the course of study prescribed for the subject (both theoretical and practical) by attending the College for a period of not less than one year. He shall be exempted from re-examination in the subsidiary subjects concerned.

5. Laboratory Assistants serving in a College of the University will be allowed to appear privately for this examination provided that they produce from the Principal of the College, in which they are or have been employed, the certificate of Laboratory work required under Regulation (15) and also a certificate

from the same authority of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination. It is also necessary that by the date of the Examination not less than two academic years shall have elapsed since the date of their passing the Intermediate Examination or its equivalent.

6. Candidates from a college of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as private candidates to a subsequent examination, provided that they do not change the subjects they had studied at College. In case they change any of their subjects they shall be required to put in fresh attendance in the College in the subject or subjects they have changed.

7. Applications of private candidates in the form prescribed must reach the Registrar not less than two months before the examination accompanied by a fee of Rs. 30.

8. In the case of College candidates application for admission and certificates of attendance and progress in the form prescribed together with a fee of Rs. 30 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

9. No student of the University will be allowed to appear at the Examination unless he has attended at least 75 per cent. of the lectures delivered during the course of each year leading up to the Examination, in each of the subjects of his study, and that where practical work forms part of a subject of study, 75 per cent. attendance in practical classes also will be required.

10. Upon the receipt of the application and the fee prescribed, and also the attendance certificates in case of candidates from colleges, the Registrar shall at least a week before the examination cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall to be produced by the candidate in the hall if called for.

11. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

12. The B. Sc. Examination shall be conducted by means of printed papers. Papers in all the subjects except English will be set and answered in Urdu.

13. The subjects for examination are as follows:—

I. English.

II. One of the following groups:—

a. Physics as main with Mathematics and Chemistry as subsidiary.

b. Chemistry as main with Physics and Mathematics as subsidiary.

c. Mathematics as main with Physics and Chemistry as subsidiary.

d. Botany as main with Zoology and Chemistry as subsidiary.

e. Zoology as main with Botany and Chemistry as subsidiary.

f. Chemistry as main with Botany and Zoology as subsidiary.

III. Theology or Morals.

14. The division of marks in the subjects is given below:—

I. English:—

Two papers as follows:—

1st Paper—

Essay	..	75 marks.	} 100
Unseen	..	25 do	

2nd Paper:—

Non-Detailed Texts	..	75 marks	} 100
Translation from Urdu into			
English	..	30 do	

*N.B.*—No candidate shall be admitted to the B. Sc. Examination unless the Head of the Department of English certifies that he has written at least 20 Essays during the two years of the B. Sc. course. Failures who join the College will be required to write 10 Essays.

## II. Optionals:—

*Physics, taken as main subject:*

	Marks
Theory Paper I—General Physics, Properties of Matter and Sound ..	90
Do II—Heat and Light ..	90
Do III—Electricity and Magnetism ..	90
Practical Paper I—Properties of Matter, Heat and Sound ..	65
Do II—Light, Magnetism and Electricity ..	65

*Physics taken as subsidiary subject.*

Theory Paper I—General Physics, Properties of Matter, Heat and Sound ..	75
Do II—Light, Magnetism and Electricity ..	75
Practical .. ..	50

*Chemistry, taken as main subject.*

Theory Paper I—Inorganic ..	90
Do II—Organic ..	90
Do III—Physical Chemistry ..	90
Practical Paper I—Qualitative and Gravimetric Analysis ..	65
Do II—Volumetric Analysis and Organic Preparation ..	65

*Chemistry, taken as subsidiary subject.*

Theory Paper I—Inorganic and Physical Chemistry ..	70
Do II—Organic and Physical Chemistry ..	70
Practical .. ..	60

*Mathematics, taken as main subject.*

Paper I—Algebra, Theory of Equations, Trigonometry ..	80
Do II—Analytical Geometry of two and three dimensions and Differential Calculus ..	80
Do III—Integral Calculus, Differential Equations ..	80
Do IV—Statics and Hydrostatics ..	80
Do V—Dynamics and Astronomy ..	80

*Mathematics, taken as main subject.*

Paper	I—Algebra, Trigonometry and Analytical Geometry	..	70
Do	II—Calculus, and Differential Equations	..	70
Do	III—Statics, Dynamics and Hydrostatics..	..	60

*Botany, taken as main subject.*

Theory Paper	I—Thallophyta, Bryophyta and Pteridophyta	..	90
Do	II—Gymnosperms and Angiosperms	..	90
Do	III—General Biology, Physiology and Ecology	..	90
Practical Paper	I—External and Internal Morphology	..	65
Do	II—Classification and Physiology.	..	65

*Botany taken as subsidiary subject.*

Theory Paper	I—Thallophyta, Bryophyta, Pteridophyta and Gymnosperms	..	70
Do	II—Angiosperms, Physiology and Evolution	..	70
Practical	..	..	60

*Zoology, taken as main subject.*

Theory Paper	I—Invertebrates	..	90
Do	II—Vertebrates	..	90
Do	III—Evolution, Cytology and Histology	..	90
Practical Paper	I—Invertebrates and Identification of specimens	..	65
Do	II—Vertebrates, Identification and preparation of slides	..	65

*Zoology, taken as subsidiary subject.*

Theory Paper	I—Invertebrates, Cytology and Histology	..	70
Do	II—Vertebrates, and Evolution	..	70
Practical	..	..	60
III—Theology or Morals (one paper).	..	..	100



*N.B.*—Examination in Theology or Morals shall be regarded as qualifying Examination and the marks gained by a candidate in the subjects shall not be included in the grand total of the marks; but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at that examination.

(1) All the papers detailed above will be of three hours' duration.

15. No candidate from a college of the University will be permitted to present himself at the B. Sc. Examination in any Science subject for which a practical course is necessary under these rules unless he produces a certificate from the Principal of such college to the effect that he has completed the required course in the college laboratories. In the case of private candidates appearing under Regulation 4 evidence must be produced that the candidate has completed the required course in a laboratory approved of by the University.

16. No candidate shall be declared to have passed the examination unless he obtains 33 per cent. in each subject. In the main subjects in which a practical test is necessary the required percentage shall be 33 per cent. in the Theoretical Part of the examination as well as in the Practical test. In subsidiary subjects the pass percentage will be 33 per cent. on the whole including theoretical as well as practical test.

17. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the first class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the second and third classes shall be arranged in serial order of their roll numbers.

18. A certificate signed by the Chancellor shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

19. Any student who fails to pass the examination on account of his having failed to obtain 33 per cent. in English or in his selected subject, will be considered to have passed the whole examination, on his passing at a subsequent examination merely in the subject in which he has failed, provided that the marks gained by him in such subject in the previous examination do not fall short of 25 per cent. and provided in that examination he has secured an aggregate total of 40 per cent.

*M. Sc. Examination.*

1. An examination for the degree of Master of Science shall be held annually in Hyderabad at such time and on such dates as may be prescribed by the Syndicate.

2. The M. Sc. Examination shall be conducted by means of printed papers and *viva voce* when necessary. Papers will be set and answered in Urdu unless otherwise notified.

3. The examination shall be open only to Bachelors of Arts and Bachelors of Science of the University or Bachelors of Arts or Bachelors of Science of a recognised University who have passed B. A., or B.Sc. Examination not less than two academic years previously and have since then prosecuted a regular course of study for not less than two academic years in a constituent college of the University.

4. The subject which a student studies for the examination must be one in which he has passed the B. A. or B. Sc. Examination at the University as a main subject or an Examination recognised as equivalent thereto by the Faculty of Science.

5. No student of the University will be allowed to appear at the Examination unless he has attended at least 75 per cent. of the lectures delivered during the course of each year leading up to the Examination, in each of the subjects of his study, and that where practical work forms part of a subject of study, 75 per cent. attendance in practical classes also will be required.

6. A candidate for admission to the M. Sc. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 60. Every candidate shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study for the examination.

7. The examination shall be held for the present in the following subjects:—

1. Chemistry.
2. Physics.
3. Zoology.
4. Botany.

(1) *Chemistry.*

Previous Examination:—Lectures on advanced Inorganic, Organic, and Physical Chemistry, and advanced practical work. In lectures special attention will be paid to the applied side of the subject and its history. The practical work shall include

complex Inorganic Analysis (both qualitative and quantitative) preparation and identification of Organic Compounds, a few exercises in Commercial Organic and Inorganic Analysis and Physico-Chemical Measurements.

An examination shall be held at the end of the 1st year which shall consist of the following papers:—

	Marks
1st Paper General and Inorganic Chemistry ..	100
2nd „ Organic Chemistry ..	100
3rd „ Physical Chemistry ..	200
4th „ Practical including mineral Analysis	100
5th „ Organic Analysis and Organic Preparations ..	100
6th „ Physico-Chemical Measurements ..	100
<hr/>	
Total ..	600
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**Final Examination:**—In the Second or Final Year, the student shall choose either Organic Chemistry or Physical Chemistry as his special subject and attend advanced lectures on that subject. The rest of his time will be occupied in conducting some research work and reading about the subject of his research with the help of a Professor. At the end of the year, he shall be required to submit the results of his research in the form of a Thesis.

In addition to an Oral Examination in the subject of his Thesis, he shall appear in a written examination consisting of two papers only, in Organic or Inorganic Chemistry according to his choice. The marks for each will be as follows:—

	Marks.
Thesis, including Oral ..	200
1st Paper ..	100
2nd „ ..	100
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Total ..	400
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(2) *Physics.*

## PREVIOUS EXAMINATION.

	Marks.
1st Paper General Physics and Sound ..	100
2nd „ Optics (Geometrical and Physical) ..	100
3rd „ Heat including Thermodynamics ..	100
4th „ Practical Examination in properties of Matter, Heat and Sound ..	100
5th „ Practical Examination in Optics ..	100
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Total ..	500
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## FINAL EXAMINATION.

	Marks.
1st Paper Classical Electricity and Magnetism ..	100
2nd „ Modern Electricity ..	100
3rd „ Some Special Subject—any one of the following:— ..	100
(a) Spectroscopy (Including Quantum Theory).	
(b) X-Rays.	
(c) Wireless Telegraphy and Telephony.	
(d) Photo-Electricity and Television.	
4th Paper Practical Examination in Electricity ..	100
5th Paper Report on practical work intensively carried out by the candidate with a view to verify and supplement the available data on some special prob- lem of Physics. ..	100
<hr/>	
Total ..	500

The Theoretical papers will be of three hours' and the Practical of four hours' duration.

(3) *Zoology*

## PREVIOUS EXAMINATION.

The Examination shall be held at the end of the 1st year which will consist of the following papers:—

*Theoretical—Non-Chordata.*

There shall be three theoretical papers, each of three hours' duration and carrying 100 marks:—

Paper I—The structure, bionomics, development, and distribution of the following groups:—

Protozoa; Porifera; Mesozoa; Coelenterata; Platyhelminia; Nemertinea; Nemathelminia; Chaetognatha; Rotifera; Phoronidea; Sipunculioidea.

Paper II—The Structure, bionomics, development and distribution of the following groups:—

Polyzoa; Brachiopoda; Annelida; Echinodermata; Arthropoda; and Mollusca.

Paper III—Essays on one or more of a number of subjects pertaining to Non-Chordata.

*Practical:—Non-Chordata.*

There shall be two practical papers, each of four hours' duration and each carrying 100 marks. Candidates will be required to show a detailed knowledge of the microscopic technique and to examine, dissect or describe the animals and skeletons given in Appendix. In addition to these specimens mentioned above candidates are expected to study as many other types as could be available from time to time. Candidates must produce at their practical examination their bonafide preparations (at least 50 permanent slides) and sketch-books containing a complete record of the laboratory work signed and certified by the professor for which 10 marks will be reserved for each practical paper.

## FINAL EXAMINATION:—

In the 2nd year or the Final Examination candidates will be allowed to take up one of the following *Group courses* subject to the approval of the Professor of Zoology:—

(A) *Chordata and General Biology Group*  
*Theoretical.*—

There will be three theoretical papers, each of three hours, duration and carrying 100 marks:—

Paper I—The comparative Anatomy, Embryology, and Distribution in time and space of the following:—

Hemichordata, Cephalochordata Urochordata;  
 Cyclostomata; Pisces; and Amphibia.

Paper II—The comparative Anatomy, Embryology and Distribution in time and space of the following:—

Reptilia; Aves and Mammalia.

Paper III—The General Principles of Biology, including Evolution, Heredity and Sex, Variation, History of Biology, Cytology, Geographical and Geological Distribution of Animals.

*Practical:—Chordata Groups.*

There will be two practical papers, each of 4 hours' duration and carrying 100 marks.

(a) Acrania.

(b) Craniata and Microtomy.

or (B) *Thesis Group*:—

There will be two theoretical and one practical paper carrying 100 marks each and a thesis including *viva voce* carrying 200 marks.

Paper I—Based on the special subject-matter of the thesis and allied topics.

Paper II—The General Principles of Biology, including Evolution, Heredity and Sex, Variation, History of Biology, Cytology, Geographical and Geological Distribution of Animals.

Paper III—Practical, on the subject matter of the thesis (including Practical records and Microtomy).

Thesis including *Viva-Voce*.

*N.B.*—10 per cent. of marks are reserved for the practical records.

*or (C) Special Group.*

An intensive study of a special group :

- (1) Pisces or
- (2) Reptilia

*Theoretical—*

There will be three theoretical papers, each of three hours' duration and carrying 100 marks:—

Paper I—Based on the local fauna of Hyderabad with reference to the special group selected by the candidate.

Paper II—A general paper based on the special group.

Paper III—General Principles of Biology, including Evolution, Heredity and Sex, Variation, History of Biology, Cytology, Geographical and Geological Distribution of Animals.

*Practical—*

There will be two papers of 4 hours' duration and each carrying 100 marks.

*N.B.*—Candidates will be expected to acquaint themselves with the current literature pertaining to the special group or the thesis selected by them.

The study of one of the Special groups mentioned above should be made with special reference to the practical aspect of the local fauna of Hyderabad (Deccan), and must be dealt with, as far as possible, from the standpoint of its economic importance.

A fairly good practical knowledge of the special group selected by the candidate is to be required, including a record of all the preparations and mounts, technique and fundamentals of research methods, together with an account of the identification of entire specimens belonging to the local fauna as well as to any other special type concerning the particular study. Microtomy (simple section-cutting methods). 10 per cent. marks will be reserved for the practical records.

*(4) Botany.—***PREVIOUS:—**

The courses for Previous and Final may alternate from year to year.

*(Cryptogams and Gymnosperms.)*

There shall be three Theoretical and two Practical papers carrying 100 marks each, the Theoretical paper will be of 3 hours' and the Practical of 4 hours' duration.

## Paper I.—Thallophyta:—

- (a) Flagellata, Bacteria, Diatoms.
- (b) Cyanophyceae, Chlorophyceae, Phaeophyceae, Rhodophyceae.
- (c) (i) Phycomycetes.—
  - (a) Oomycetes.
  - (b) Zygomycetes.
- (ii) Eumycetes.—
  - (a) Ascomycetes.
  - (2) Basidiomycetes.

## Paper II.—Bryophyta and Pteridophyta:—

- (a) Bryophyta.—
  - (i) Hepaticae.
  - (ii) Musci.

## (b) Pteridophyta.

Paper III.—Gymnosperms and General Histology.

Paper IV.—Practical—Thallophyta and Bryophyta.

Paper V.—Practical—Pteridophyta and Gymnosperms.

N.B.—Candidates will be expected to produce at least 50 permanent preparations and a complete record of their practical work.

FINAL:—

## (COURSE.—A)

There shall be three Theoretical and two Practical papers carrying 100 marks each. The Theoretical paper will be of 3 hours' and the Practical of 4 hours' duration.

## Paper I.—General Biology:—

Variation, Heredity, Evolution and Mendelism.

## Paper II:—Angiosperms:—

The systematic morphology, affinities and geographical distribution of the Angiosperms, with special reference to the Indian Flora.



**Paper III.—Physiology and Scology :—**

The general principles of plant Physiology and Ecology.

**Paper IV.—Practical—Systematic (Angiosperms).**

**Paper V.—Practical—Physiology and Microtomy.**

*N.B.*—Candidates will be required to show a good knowledge of microscopic and microtome technique, to examine and describe the plants and families given in Appendix, to produce at least 50 permanent preparations and a complete record of their practical work.

**(COURSE.—B)**

***With special group and thesis.—***

The special group and the problem for the thesis shall be chosen subject to the approval of the Head of the Department of Botany.

**\*Special Groups :—**

- (i) Systematic—Angiosperms.
- (ii) Ecology.

Candidates will be expected to acquaint themselves with the current literature pertaining to the special group and the subject of the thesis selected by them.

The study of the special group should be made with reference to the local flora of Hyderabad, and must be dealt with, as far as possible, from the stand point of its economic and medicinal importance.

In the case of candidates offering thesis there will be two papers and a practical test (including *viva voce*) as follows :—

Paper I.—One of the Special groups—A theoretical paper based on the special group .. 100

Paper II.—General Biology—same as that prescribed for course "A" mentioned above .. 100

A thesis based on the special subject .. 200

The practical examination on the subject of the thesis will carry 100 marks only.

\*To start with the above two groups are kept; addition will be made later.

**Practical Examination :—** A fairly good practical knowledge of the special group, that of the subject of the thesis and Microtomy (Simple section—cutting methods) is required.

8. In order to pass the Examination, a candidate must obtain 40 per cent. of the marks in the aggregate. No minimum pass marks shall be required in each paper, but that candidates should pass separately in the Theoretical and Practical portions of the Examination and if in any paper a candidate obtains less than 25 per cent. of the marks allotted, he will be deemed to have failed. Successful candidates obtaining not less than 65 per cent. of the total marks shall be placed in the First Class, those obtaining less than 65 per cent. but not less than 50 per cent. in the Second Class and the rest in the Third Class.

The results of the Previous Examinations will only be declared and will not be classified. The marks obtained by the candidates at the Previous Examinations will be added to the marks gained by them at the Final Examination and the rank secured by them will be determined accordingly.

9. A candidate who fails to pass or to present himself for the examination for whatever reason shall not be entitled to claim a refund of the fee.

10. Each successful candidate at the Final Examination shall receive a certificate signed by the Chancellor setting forth the subject in which he was examined, and the class in which he was placed.

#### FACULTY OF THEOLOGY.

##### *Matriculation Examination.*

1. The Matriculation Examination shall be held once a year at Hyderabad, Aurangabad, Gulburga, Warangal and Bhopal, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to:—

- (i) All those who have satisfactorily prosecuted a regular course of study for this examination at one or more High Schools recognised by the Osmania University. Such candidates shall be named *pupil candidates*.
- (ii) All those who have studied privately either in the Dominions or outside for this examination provided that they shall not have attended and High School recognised by the University for not less than six months prior to the date of the examination.

(iii) All those who have passed the Maulvi Examination of His Exalted Highness the Nizam's Dominions or of the Punjab University up to the year 1906. Such students will have to appear in English only on passing in which subject they will be considered to have passed in the whole of the examination.

(iv) All those who have passed the Maulvi Examination of Madrasai Nizamiah. These will appear in English only, and shall be admitted to the First Year Class in Theology on passing in that subject.

3. No candidate shall be admitted to the Matriculation Examination unless he shall have completed the age of fifteen years by the first day of Shahrewar (July) of the year in which he applies for admission to the examination.

4. Applications for admission to the examination in the form prescribed must reach the Registrar not less than two months before the commencement of the examination, accompanied by a fee of Rs. 10 in the case of pupil candidates, Rs. 15 in the case of candidates referred to in Rule 2 (ii), and Rs. 5 in the case of candidates referred to in Rule 2 (iii) and (iv).

5. Pupil candidates must submit the following certificates from the Headmaster of the school where they last studied together with their application for admission:—

- (1) Certificate of attendance stating that the student has attended school in the Matriculation class for not less than 75 per cent. of the working days during the school year immediately preceding the examination.
- (2) Certificate of good character and good conduct at school.
- (3) Certificate of age in accordance with Rule 3.
- (4) Certificate of progress in the subjects of study.

When a student has studied in two or more schools during the school year immediately preceding the examination, his combined attendances in all schools attended by him during the period will be taken into account in determining his attendance.

6. Candidates referred to in Rule 2 (ii) must submit the following certificates from the Headmaster of a Government High School recognised by this University.

(1) Certificate stating that the student has passed a Test Examination held in the School to test the fitness of candidates appearing from that school for the Matriculation Examination.

(2) Certificate of good character.

(3) Certificate of age in accordance with Rule 3.

7. Candidates referred to in Rule 2 (iii) and (iv) must, in addition to the original certificates showing the examination passed on the basis of which application is being made, submit the following certificates from the Headmaster of a Government High School recognised by this University.

(1) Certificate stating that the candidate has passed a Test Examination in English, held in the school to test the fitness of candidates appearing from that school for the Matriculation Examination.

(2) Certificate of good character.

(3) Certificate of age in accordance with Rule 3.

8. Teachers from recognised schools of the University will be exempted from passing a test examination provided they produce a certificate from the Divisional Inspector of Schools stating that the candidate is eligible for admission to the matriculation examination and that he is expected to get through.

9. Candidates who have once been duly permitted to appear at this examination are entitled to appear at any subsequent Matriculation Examination as private candidates under Rule 2 (ii), (iii) and (iv) on production only of Certificates (1) and (2) mentioned above.

10. On receipt of the application and the fee prescribed and of the necessary certificates, the Registrar shall at least a fortnight before the examination, cause to be furnished to the candidate a receipt for the fee received which will also serve as a ticket of admission to the examination hall to be produced by the candidate when called for.

A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee.

11. The Matriculation Examination shall be conducted by means of printed papers. With the exception of English the papers in all other subjects will be set and answered in Urdu.

12. The subjects for the examination and the arrangement of the papers to be set in the different subjects shall be as fol-

lows:—

(1) ENGLISH.

There shall be two papers in English each of 2½ hours' duration. The first paper (100 marks) will be on the Detailed Texts, (Grammar and Idiom. The second paper (100 marks) will be on Composition and Translation from Urdu into English (70 marks) and Non-Detailed Texts (30 marks).

(2) HISTORY AND GEOGRAPHY.

There shall be two papers of two hours' duration each in this subject:—

1st Paper—History of India (50 marks).

2nd Paper—General Geography of the world with special reference to India (50 marks).

(3) MATHEMATICS—(Elementary).

There will be two papers of 2 hours' duration each.

I Paper—Arithmetic	.. 30 Marks
Algebra	.. 20 "
II Paper—Practical Geometry	.. 30 "
Mensuration	.. 20 "

\* (4) ELEMENTARY SCIENCE:—

There will be one paper of 3 hours' duration carrying 100 marks. The paper shall be divided into sections A (Physics) and B (Chemistry): 50 marks will be assigned to each section.

\*Candidates are expected to perform at least 10 experiments in a year and have a record of their practical work regularly initialled by the teacher in charge. No candidate shall be allowed to appear for the Examination unless he has produced a full record of his practical work. But there shall be no examination in practical science.

(5) ARABIC.

There will be two papers in this subject (of two hours each); the first paper (60 marks) will be on the prescribed text-books and the second paper (40 marks) will be on Grammar and Translation.

(6) AQAID.

There shall be one paper (100 marks) of three hours' duration in this subject.

(7) **FIQAH.**

There will be one paper (100 marks) of three hours' duration in this subject.

13. Successful candidates who obtain 60 per cent. of the aggregate marks shall be placed in the First Class.

14. For a pass in the Second Class candidates should secure 35 per cent. in English, Arabic, Fiqah and Aqaid and 30 per cent. in the remaining subjects. Those candidates will be declared to have passed in Third Class, who secure 30 per cent. in English, Arabic, Fiqah and Aqaid, 25 per cent. in the remaining subjects and 30 per cent. in the aggregate.

Successful candidates of First Class shall be arranged in order of proficiency as determined by the total number of marks obtained. The Second and Third Classes shall be arranged in the serial order of their roll numbers.

15. Candidates passing the examination in 3rd class and wishing to secure a higher class will be allowed to appear at the Examination; and if they fail to pass the Examination their failure will not affect their previous success.

16. If a candidate fails to pass in the examination, he may reappear at any subsequent examination or examinations in those subjects only in which he has failed to secure 30 per cent. marks. He will be declared to have passed the examination under the compartment system if he secures 30 per cent. marks in each subject, but such a candidate will not be eligible for admission to the University and will be exempted from appearing at the test examination.

Lady candidates under this system will however be admitted to the University up till 1347 F.

17. Failed candidates taking the option of joining the school to complete the examination will have to satisfy the Rules of School such as attendance and passing the test Examination etc.

18. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the division in which he was placed.

19. The Registrar shall maintain and publish for general information, a list of High Schools recognised by the University.

*Intermediate Examination.*

1. The Intermediate examination shall be held once a year in Hyderabad, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to—

- (i) All Matriculated students of the Osmania University (Faculty of Theology) who have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a college of the Osmania University.
- (ii) All those students who have matriculated at the Osmania University (Faculty of Arts) or at any of the recognised Indian Universities or obtained the High School Leaving Certificate of His Exalted Highness' Government or passed any other such examination as the University may from time to time consider equivalent, and who have been admitted as under-graduates of the University (Faculty of Theology) and have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a College of the Osmania University. Provided that all such students shall have passed in Arabic in the Matriculation Examination or in its equivalent examination.

mination.

Students who have obtained a High School Leaving Certificate of His Exalted Highness' Government can be admitted to a college of the Osmania University only at the discretion of the Principal.

3. Persons coming under the following descriptions, though not belonging to a college of the University, will be allowed to appear privately for this examination :—

- (a) Inspecting Officers of the State Educational Department, and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department provided they are certified by the Divisional Inspectors of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.
- (b) Teachers of schools recognised by the Educational Department of Bhopal provided they are certified by the Director of Public Instruction Bhopal of having rendered three years continued and approved service.
- (c) Women candidates,

Provided also that in all the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Matriculation Examination or its equivalent.

*N.B.*—Students who have passed the Intermediate Examination (Faculty of Arts) of the Osmania University or that of a recognised University shall be allowed appear privately at the Intermediate Examination of the Faculty of Theology only in the subjects in which they have not already passed, for the purpose of their joining the B.A. Class of the Faculty of Theology of the Osmania University. But such students shall not be entitled to any certificate of having passed the examination.

4. Candidates from a college of the University, who have been allowed to appear at the examination once but have not been able to appear or have failed to pass, may be admitted as private candidates to a subsequent examination.

5. Applications of private candidates for admission to this examination, in the form prescribed must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 20.

6. Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of the subject in the University College. They should, therefore, ascertain from the Registrar before applying for permission whether regular students of the University are taking up these subjects.

7. In the case of college candidates, applications for admission and certificates of attendance in the prescribed form together with a fee of Rs. 20 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination. In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

8. No student of the University will be allowed to appear at the examination unless he has attended at least 75 per cent. of the course of lectures delivered during the course of each year leading up to the Examination in each of the subject of his study.

9. Upon the receipt of the application and the fee prescribed and also the attendance and progress certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall, to be produced by the candidate in the hall, if called for.



10. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim a refund of the admission fee.

11. The Intermediate Examination shall be conducted by means of printed papers. With the exception of the English language, papers in all subjects will be set and answered in Urdu.

12. The subjects for examination and the arrangement of the papers to be set in the different subjects shall be as follows:—

(1) ENGLISH.

In English there will be three papers, each of three hours' duration, one on Detailed Prose texts (100 marks), one on Poetry (65 marks) and Non-detailed Prose texts (35 marks) and a third paper (100 marks) on Composition, Unseen and Translation.

(2) ARABIC.

There shall be two papers each of 3 hours' duration in this subject. The first paper (100 marks) shall be on the prescribed text-books. The division of marks in Arabic second paper will be as follows and questions on non-detailed texts will be in this paper:—

Grammar	40	Marks.
Translation from Arabic into Urdu	30	"
Translation from Urdu into Arabic	30	"

(3) FIQAH AND USUL-I-FIQAH.

There shall be two papers each of three hours' duration in this subject:—

Paper I.—Usul-i-Fiqah including Elements of Logic	100 marks
Paper II.—Fiqah.	100 "

(4) TAFSIR, AND HADIS.

There shall be two papers each of three hours' duration in this subject:—

Paper I.—Tafsir.	100 marks.
Paper II.—Hadis and Usul-i-Hadis	100 "

(5) AQAID, INCLUDING MABADI-I-ILAHAT.

There shall be one paper (100 marks) of three hours' duration in this subject.

13. No candidate shall be declared to have passed the examination unless he obtains 33 per cent. of the full marks in each subject. Should a candidate however, not obtain 33 per cent. of the full marks in *one subject only*, he shall be declared to have passed the examination provided he secures not less than 30 per cent. in that subject and makes an aggregate of 40 per cent.

14. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the First Class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second class and Third classes shall be arranged in the serial order of their roll numbers.

15. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

16. For the purposes of the Compartment System, the examination is divided into the following three groups:—

- (1) English.
- (2) Arabic.
- (3) Theology subjects (Fiqha, Tafsir, and Aqid).

A candidate passing in any one of these groups shall be exempted from appearing in that group at a subsequent examination provided that he has secured not less than 35 per cent of the marks in the aggregate and that in the group in which he fails he makes an aggregate of not less than 25 per cent. Such candidates shall however, if they so desire, be allowed to appear for the whole of a subsequent examination, but if they fail in that examination they will not be deprived of the concession gained at the first examination.

No candidate shall be classed unless he has passed in the whole examination at one attempt.

#### *B. A. Examination.*

1. The examination for the degree of Bachelor of Arts shall be held once a year in Hyderabad at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to:—

- (1) All those students who have passed the Intermediate Examination of the Osmania University in the Faculty of Theology.
- (2) All those students who besides passing the Intermediate Examination of a recognised University have also passed the *Alim* Examination or its equivalent of a recognised University.

- (3) All those students who after passing the Intermediate Examination of a recognised University with Arabic as one of the optional subjects have passed the Intermediate Examination (Faculty of Theology) of the University in the Theology subjects. They will be required to appear in Arabic also in case they did not take that subject in their previous examination.

Provided that all these students have satisfactorily completed a regular course of study in a college of the University for not less than two academic years after passing the aforesaid examinations.

3. Persons coming under the following descriptions, though not belonging to a college of the University, will be allowed to appear privately for this examination:—

- (a) Inspecting Officers of the State Educational Department, and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department, provided they are certified by the Divisional Inspector of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.
- (b) Whole-time teachers employed in schools recognised by the Educational Department of Bhopal, provided they are certified by the Director of Public Instruction Bhopal to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.
- (c) Women candidates.

Provided also that in all the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Intermediate Examination.

Students who have passed the Intermediate Examination (Faculty of Arts) of the Osmania University or that of a recognised University shall be allowed to appear privately at the Intermediate Examination of the Faculty of Theology only in the subjects in which they have not already passed, for the purpose of their joining the B. A. Class of the Faculty of Theology of the Osmania University. But such students shall not be entitled to any certificate of having passed the Examination.

4. Candidates from a college of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as private candidates to a subsequent examination, provided they do not change the subjects they had studied at college. In the case of any change they shall be required to put in fresh attendance in the college in the subject they have changed.

5. Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of the subject in the University college. They should, therefore, ascertain from the Registrar before applying for permission whether regular students of the University are taking up these subjects.

6. Applications of private candidates for admission to this examination in the form prescribed must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 30.

7. In the case of college candidates, applications for admission and certificates of attendance and progress in the prescribed form together with a fee of Rs. 30 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination. In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

8. No student of the University will be allowed to appear at the Examination unless he has attended at least 75 per cent. of the lectures delivered, during the course of each year leading up to the examination in each of the subjects of his study.

9. Upon the receipt of the applications and the fee prescribed, and also the attendance certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall, to be produced by the candidate in the hall, if called for.

10. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim a refund of the admission fee.

11. The B. A. Examination shall be conducted by means of printed papers. With the exception of English, papers in all subjects will be set and answered in Urdu.

12. The subjects for examination are as follows:—

(1) ENGLISH:—

Four papers as follows:—

		Marks	
1st Paper.			
Detailed Prose	..	80	} 100
History of Literature	..	20	
2nd Paper.			
Detailed Poetry	..	80	} 100
History of Literature	..	20	
3rd Paper.			
Essay	..	75	} 100
Unseen	..	25	
4th Paper.			
Non-Detailed Texts	..	70	} 100
Translation from Urdu into English	30		

*N.B.*—Questions on the History of Literature will be compulsory. No candidate shall be admitted to the B. A. examination unless the Head of the Department of English certifies that he has written at least 20 essays during the two years' B. A. course. This certificate will not be required in the case of private candidates. Failures who join the College will be required to write 10 essays.

(2) ARABIC—

There will be three papers in this subject:—

The first paper will be on Prose (75 marks) and History of Literature (25 marks); the second paper will be on Poetry (75 marks) and Rhetoric and Prosody (25 marks) and the third paper will be as follows:—

Translation from Arabic into Urdu	..	40 marks
Translation from Urdu into Arabic	..	40 "
Grammar	..	20 "

(3) FIQAH AND USUL-I-FIQAH.

There shall be two papers of three hours' duration each in this subject:—

1st Paper—Fiqah (including Fatwa Navisi) 100 marks.

2nd Paper Usul-i-Fiqah.

(4) Any one of the following subjects:—

- (a) Tafsir.—two papers (100 marks each.)
- (b) Hadis.—two papers (100 marks each.)
- (c) Kalam.—two papers (100 marks each.)

13. No candidate shall be declared to have passed the examination unless he obtains 33 per cent. in each subject.

14. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the First Class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second and Third Classes shall be arranged in serial order of their roll numbers.

15. A certificate signed by the Chancellor shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

16. Any student who fails to pass the examination on account of his having failed to obtain 33 per cent in—

- (1) English
- (2) Arabic
- (3) Fiqah and the optional subject

will be considered to have passed the whole examination on his passing at a subsequent examination merely in the subject in which he has failed, provided that the marks obtained by him in such subject in the previous examination do not fall short of 25 per cent. and provided in that examination he has secured an aggregate total of 40 per cent.

#### *M. A. Examination.*

1. An examination for the degree of Master of Arts shall be held annually in Hyderabad at such time and on such dates as may be prescribed by the Syndicate.

2. The M. A. Examination shall be conducted by means of printed papers and viva voce when necessary. Papers will be set and answered in Urdu.

3. The Examination shall be open only to Bachelor of Arts (Faculty of Theology) of the Osmania University, who have passed the B. A. Examination not less than two academic years previously and have since then prosecuted a regular course of study for not less than two academic years in a constituent college of the Osmania University.

No student of the University will be allowed to appear at the Examination unless he has attended at least 75 per cent. of the lectures delivered during the course of the year leading up to the examination in each of the subjects of his study.

5. A candidate for admission to the M. A. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 60. Every candidate shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study for the examination.

6. The Examination will be held for the present in the following subjects:—

- (i) Fiqah wa Usul-i-Fiqah
- (ii) Tafsir
- (iii) Hadis including Sirat.
- (iv) Kalam wa Aqaid.

There will be two examinations-Previous and Final-and the candidate will be examined at the end of each year. The division of papers in each subject is as follows:—

- (i) Fiqah wa Usul-i-Fiqah

#### امتحان ابتدائی

- پرچہ اول - ہدایہ مع العنایہ
- پرچہ دوم - اصول فقہ مسلم الثبوت -
- پرچہ سوم - تاریخ فقہ اسلامی
- پرچہ چہارم - خلائیات جو پرچہ اول میں آچکے ہیں -

#### امتحان آخری

- پرچہ اول اصول شرائع انحاف الابصار و البصائر حجة الله البالغة از
- مبحث سابع تا فصل فی عدة من الامور المشكلته من التقليد و
- اختلاف المذاهب موافقات شاطبی باب الكتاب (ج) (۳) باب
- الاجتهاد تا آخر الكتاب -

- پرچہ دوم - فتوی نویسی فیصلہ نگاری -
- مقالہ (۲۰۰) تشنات

مقالہ پروفیسر کی نگرانی میں لکھا جائے گا جو پچاس صفحاتوں سے کم نہوگا۔ مضمون کے لئے پروفیسر متعلقہ کی سفارش کی بناء پر مجلس شعبہ دینیات سے منظوری حاصل کرنی ہوگی۔

مقالہ کے ممتحن طالبعلم کا زبانی امتحان بھی لیں گے تاکہ انکو اس امر کا پتہ چلے کہ طالبعلم نے اپنے مقالہ کے لئے اصل مصادر کا استعمال کیا ہے۔

(ii) Tafsir

### امتحان ابتدائی

پرچہ اول - قرآن مجید ادبی حیثیت سے - کشاف سورہ بقرہ -  
 پرچہ دوم - قرآن ربط آیات و سورت کی حیثیت سے اور اقسام  
 قرآن نظام القرآن فی تاویل القرآن - سورہ زاریات - تبت و  
 تین مرسلات کوثر امعان فی اقسام القرآن -  
 پرچہ سوم - قرآن فقہی حیثیت سے سورہ بقرہ - نساء - مائدہ - انعام -  
 پرچہ چہارم - مباحث متعلقہ قرآن و رسم الخط وغیرہ

### امتحان آخری

پرچہ اول - تفسیر القرآن بالا حدیث المتبرہ  
 پرچہ دوم - قرآن کلامی حیثیت سے سورہ ال عمران و اعراف و یونس -  
 مقالہ (۲۰۰) نشانات

مقالہ پروفیسر کی نگرانی میں لکھا جائے گا جو پچاس  
 صفحات سے کم نہ ہوگا مضمون کے لئے پروفیسر متعلقہ کی سفارش  
 کی بناء پر مجلس شعبہ دینیات سے منظوری حاصل کرنی ہوگی۔  
 مقالہ کے ممتحن طالبعلم کا زبانی امتحان بھی لیں گے تاکہ  
 ان کو اس امر کا پتہ چلے کہ طالبعلم نے اپنے مقالہ کے لئے اصل  
 مصادر کا استعمال کیا ہے۔

(iii) Hadis

### امتحان ابتدائی

پرچہ اول - احادیث جامعہ مع شرح تراجم ابواب بخاری شریف  
 نصف اول -



پرچہ دوم - احادیث السنن والاحکام ابو داؤد شریف -  
 پرچہ سوم - اصول و علل حدیث و مشکلات الحدیث -  
 پرچہ چہارم - تاریخ حدیث و فن رجال -

### امتحان آخری

پرچہ اول - بخاری شریف نصف آخر -  
 پرچہ دوم - مسلم شریف کامل -  
 مقالہ (۲۰۰) نشانات

مقالہ پروفیسر کی نگرانی میں لکھا جائے گا جو پچاس صفحاتوں  
 سے کم نہوگا مضمون کے لئے پروفیسر تعلقہ کی سفارش کی  
 بناء پر مجلس شعبہ دینیات سے منظوری حاصل کرنی ہوگی -  
 مقالہ کے ممتحن طالبعلم کا زبانی امتحان بھی اس کے لئے انکو  
 اس امر کا پتہ چلے کہ طالبعلم نے اپنے مقالہ کے لئے اصل  
 مصادر کا استعمال کیا ہے -

(iv) Kalam and Aquid

### امتحان ابتدائی

پرچہ اول - امور عامہ از شرح مواقف  
 پرچہ دوم - الہیات از شرح مقاصد  
 پرچہ سوم - سمعیات از شرح مقاصد  
 پرچہ چہارم - تصوف مقدمہ فصوح الحکم داؤد قیصری

### امتحان آخری

پرچہ اول - ( الف ) مذاہب عالم ( بطور خاص عیسائی مذہب -  
 بدہ مذہب - سناتن دھرم برہو سماج - آریہ مذہب -  
 سکھ مذہب و پارسی مذہب کا مطالعہ )  
 (ب) اور مذہب کے متعلق جدید نظریات -

پرچہ دوم - تاریخ علم کلام بہ تفصیل فرمایا اسلام  
مقالہ (۲۰۰) نشانات

مقالہ پروفیسر کی نگرانی میں لکھا جائیگا جو پچاس صفحاتوں  
سے کم نہوگا۔ مضمون کے لئے پروفیسر متعلقہ کی سفارش کی  
بناء پر مجلس شعبہ دینیات سے منظوری حاصل کرنی ہوگی۔  
مقالہ کے ممتحن طالبعلم کا زبانی امتحان بھی لیں گے تاکہ  
ان کو اس امر کا پتہ چلے کہ طالبعلم نے اپنے مقالہ کے لئے  
اصل مصادر کا استعمال کیا ہے۔

7. In order to pass the examination, a candidate must obtain 40 per cent. of the marks in the aggregate. No minimum pass marks shall be required in each paper, but if in any paper a candidate obtains less than one-fifth of the marks allotted, those marks shall not be included in his aggregate. Successful candidates obtaining not less than 65 per cent. of the total marks shall be placed in the First Class, those obtaining less than 65 per cent. but not less than 50 per cent. in the Second Class, and the rest in the Third Class.

8. A candidate who fails to pass or to present himself for the examination for whatever reason shall not be entitled to claim a refund of the fee, but he may be admitted, without further attendance at lectures, to any subsequent examination on the payment of a like fee.

9. Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of the subject in the University College. They should therefore ascertain from the Registrar before applying for permission whether regular students of the University are taking up those subjects.

10. Each successful candidate shall receive a certificate signed by the Chancellor, setting forth the subject in which he was examined, and the class in which he was placed.

## FACULTY OF LAW.

### *LL. B. Examination.*

1. There shall be two examinations for the LL. B. Degree, the Previous and the Final. Each examination shall be held once a year in Hyderabad at such time and on such dates as the Syndicate may prescribe.

2. The examinations will be conducted by means of printed papers, and Urdu shall be the medium of examination in all subjects.

3. The LL. B. (Previous) Examination shall be open only to those students who have completed a regular course of study in the University School of Law for not less than one academic year after passing the B. A. or B. Sc. Examination of the Osmania University or the B. A. or B. Sc. or B. Com. Examination of any University in the British Empire, incorporated by Law, provided that such examination is recognised by that University as qualifying for admission to its LL.B. Examination or any examination equivalent thereto.

4. No candidate shall be considered to have completed a regular course of study for any of these examinations unless he has attended 75 per cent. of the lectures delivered during the academic year in each subject.

5. A candidate for admission to the Previous Examination must forward his application to the Registrar five weeks before the examination, accompanied by a fee of Rs. 30. He shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study in the University School of Law for not less than an academic year after having passed the B. A. or B. Sc. Examination. He must also forward with his application satisfactory evidence of having taken a degree as laid down in Rule 3.

6. Every candidate shall present himself for the Previous Examination in the following subjects:—

1. Criminal Law and Procedure.
2. Evidence.
3. Torts and Easements.
4. Contracts.
5. Roman Law.
6. Constitutional Law.

*N.B.*—There shall be one paper in each subject.

7. No candidate shall be admitted to the Final Examination of the degree of Bachelor of Laws unless he has passed the Previous Examination in Law of the Osmania University, and has since passing the examination prosecuted a regular course of study for not less than one academic year in the University School of Law. Attendance certificates in the prescribed form shall be attached to the application.

8. A candidate for admission to the Final LL.B. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 30. He should also forward along with his application a certificate of having passed the Previous Examination in Law of the Osmania University.

9. The following shall be the subjects for the Final LL.B. Examination:—

1. Hindu Law.
2. Muhammadan Law, including Usul-i-Fiqah.
3. Civil Procedure Code, Law relating to Civil Courts in His Exalted Highness the Nizam's Dominions, Limitations (excluding Schedules).
4. Trusts and specific Relief.
5. Jurisprudence and Public International Law.
6. Transfer of Property, Land Tenure including *Atiyat* (grants of land).

A.B.—There shall be one paper in each subject.

10. The Faculty of Law shall prescribe from year to year books to be studied for these subjects.

11. The Faculty shall fix the minimum number of lectures during each academic year which shall not be less than 300.

12. Before the beginning of each term, a statement of the course of lectures and class examinations during each term shall be submitted for the approval of the Faculty.

13. The papers in any of the examinations may contain questions in Jurisprudence arising out of the subject matter of such examination.

14. To pass the examination the candidates must obtain 40 per cent. of the full marks in each paper. Those of the successful candidates who obtain 60 per cent. of the total marks will be placed in the First Division and those who obtain 45 per cent. in the Second Division.

15. As soon as practicable after the conclusion of the examination the results will be arranged in the order of merit.

16. A candidate failing to pass may be admitted to one or more subsequent examinations on his making a fresh application and on payment of a fresh fee.

17. Certificates signed by the Chancellor and the Registrar respectively, shall be given to candidates successful in the Final and the Previous Examinations, setting forth the date of the examination, and the class in which he was placed.

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## FACULTY OF MEDICINE

### DEGREE OF BACHELOR OF MEDICINE AND SURGERY

1. Candidates for the degree of Bachelor of Medicine and Surgery shall be required—

- (i) to have passed the Intermediate Examination in Arts and Science of the University taking Physics, Chemistry (Organic and Inorganic,) Botany and Zoology; or an examination considered by the University as equivalent thereto.
- (ii) to have been subsequently engaged in their professional studies in the College of Medicine of the University for a period of not less than five years.

2. Candidates shall be required to pass four professional examinations as hereinafter stated, each held twice a year in Hyderabad in the months of Khurdad (April) and Bahman (December) on such dates as the Syndicate may prescribe.

3. Application for admission to each of the professional examinations must reach the Registrar not less than four weeks before the commencement of the examination accompanied by the prescribed fee and the certificates required under the rules.

The fee prescribed shall be Rs. 15 for each of the first three professional examinations and Rs. 30 in the case of the fourth professional examination.

4. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee, but he may be admitted to any subsequent examination on his making a fresh application on payment of a fresh fee and on submitting the necessary certificates.

5. The examination in each subject shall be written, practical and oral. Urdu shall be the medium of examination.

6. In order to pass a professional examination, a candidate must obtain not less than 50 per cent. of the marks in the written and not less than 50 per cent. of the marks in the practical and oral in each subject and 50 per cent. of the marks in the aggregate. Successful candidates obtaining not less than two-thirds of the aggregate number of marks shall be placed in the First Class and the rest in the Second. Their names shall be arranged in the order of proficiency as determined by the total marks obtained by each.

Each of the first three professional examinations shall consist of two subjects and candidates shall be required to pass in both at the same time whereas the fourth or Final Professional Examination shall consist of two groups of two subjects each, and candidates shall be required to pass at least in both subjects of one group at the same time.

7. Candidates passing the first three professional examinations shall receive certificates signed by the Registrar and those passing the final examination shall receive a diploma signed by the Chancellor.

*First Professional Examination.*

8. The first professional examination shall be held in the following subjects after a course of study extending over 1½ academic years:—

- (a) Anatomy.
- (b) Physiology.

9. Candidates shall be required to produce the following certificates along with their application for permission to appear at the examination:—

- (a) Certificate of having passed the Intermediate Examination under Rule 1 (i).
- (b) Certificate of having attended a course and duly performed the work of the class, during the academic year.
  - (i) of study in Anatomy (including Embryology) of at least 200 lectures extending over two long and one short terms with demonstrations and dissections of the whole human body.
  - (ii) of study of Physiology of at least 200 lectures extending over two long terms.
  - (iii) in practical Histology of at least 50 meetings of two hours.
  - (iv) in Chemical Physiology of at least 30 meetings of two hours each.
  - (v) of experimental Physiology of at least 20 meetings of two hours each.

*Second Professional Examination.*

10. The second professional examination shall be held in the following subjects after a course of study extending over one academic year after passing the first professional examination:—

- (a) Materia Medica (including Therapeutics).
- (b) Pathology.

11. Candidates shall be required to produce the following certificates along with their application for permission to appear at the Examination:—

- (a) Certificate of having passed the first professional examination.
- (b) Certificate in the prescribed form of having attended during the academic year:—
  - (i) a course of study in *Materia Medica* (including Therapeutics) of not less than 100 lectures extending over a long and a short term.
  - (ii) 20 meetings of two hours each of the Practical Pharmacy Class.
  - (iii) of study in Pathology during one long term of not less than 100 lectures.
  - (iv) of Practical Pathology extending over 30 meetings of two hours each.
  - (v) of study in Bacteriology during one short term of not less than 50 lectures.
  - (vi) of Practical Bacteriology extending over 30 meetings of two hours each.

*Third Professional Examination.*

12. The third professional examination shall be held in the following subjects after a course of study extending over half academic year after passing the second professional examination:—

- (a) Hygiene.
- (b) Medical Jurisprudence.

13. Candidates shall be required to produce the following certificates along with their application for permission to appear at the examination:—

- (a) Certificate of having passed the second professional examination.
- (b) Certificate in the prescribed form of having attended a course during the academic year:—
  - (i) of study in Hygiene during one long term of not less than 80 lectures (including Practical Demonstrations) and instruction in Vaccination.
  - (ii) of study in Medical Jurisprudence of not less than 80 lectures during one long term.
  - (iii) of 12 meetings at Post-mortem Examinations.



*Fourth or Final Professional Examination.*

14. The fourth or final professional examination shall be held in the following subjects after a course of study extending over  $1\frac{1}{2}$  academic year after passing the third professional examination:—

*Group* (1) Medicine and Clinical Medicine.

Midwifery, Gynaecology, and Diseases of Infancy.

*Group* (2) Surgery and Clinical Surgery.

Ophthalmology and diseases of Ear, Nose and Throat.

15. Candidates shall be required to produce the following certificates along with their application for permission to appear at the examination:—

- (a) Certificate of having passed the third professional examination.
- (b) Certificate in the prescribed form of having attended during the academic year:—
  - (i) two courses in Medicine of not less than 100 lectures each.
  - (ii) two courses in Clinical Medicine of not less than 50 lectures each.
  - (iii) one course in Midwifery of not less than 80 lectures.
  - (iv) one course in Gynaecology and diseases of Infancy of not less than 40 lectures.
  - (v) two courses in Surgery of not less than 100 lectures each.
  - (vi) two courses in Clinical Surgery of not less than 50 lectures each.
  - (vii) one course in Operative Surgery of not less than 15 meetings of two hours each.
  - (viii) a course in Applied Anatomy (Medical & Surgical) of not less than 30 lectures.
  - (ix) an infectious diseases Hospital for three months.
  - (x) not less than twenty Midwifery cases and conducted not less than twenty.
  - (xi) in Medical Wards as a Clinical Clerk for 9 months.
  - (xii) in Surgical Wards as a Clinical Clerk for 9 months.
  - (xiii) in the Out-Patients Department for 6 months.
  - (xiv) a course of not less than 30 lectures (with Clinical Instruction) in Ophthalmology, and a similar course and clinical instruction in the diseases of Ear, Nose and Throat.
- (c) Certificate of having had instruction in administering anæsthetics.

## FACULTY OF ENGINEERING.

### *B. E. Examination*

1. The examination for the degree of Bachelor of Engineering shall be held once a year in Hyderabad at such time and on such date as the Syndicate may prescribe.

2. The examination shall be open to students who have passed the Intermediate Examination of this University or of a recognized University with Mathematics, Physics and Chemistry as their optional subjects.

3. The course of instruction shall extend over four years, of which 3 years shall be spent in the College and the fourth year chiefly on works. University Examinations will be held at the end of the 2nd and the 3rd years and will be known as Part I and Part II examinations. Part II examination will be the final test for the Degree.

4. Applications for admission and certificates of attendance and progress in the prescribed form together with a fee of Rs. 20 for the Part I examination and of Rs. 30 for the Part II examination shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

No student will be allowed to appear at the examination unless he has attended at least 75 per cent. of the lectures delivered during the course of each year leading up to the examination in each of the subjects of his study; and that where practical work form part of a subject of study, 75 per cent. attendance in practical classes also will be required.

5. Upon the receipt of the applications, the attendance certificates and the fee prescribed the Registrar shall, at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received which will also serve as a ticket of admission to the examination hall to be produced by the candidate in the hall, if called for.

*N.B.*—A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

6. The B. E. examinations shall be conducted by means of printed papers and papers will be set and answered in Urdu.

7. The subjects for the examination shall be as follows:—

*Part I—Examination.*

## 1. Pure Mathematics:—

- |   |             |
|---|-------------|
| (a) Analytical Geometry, Plane and Solid. | } One paper |
| (b) Calculus      Integral Calculus       |             |
| Differential Calculus                     |             |
| Differential Equations                    |             |

## 2. Applied Mathematics:—

- |                                     |             |
|-------------------------------------|-------------|
| (a) Statics                      .. | } One paper |
| (b) Dynamics                   ..   |             |
| (c) Hydrostatics               ..   |             |

- |   |            |    |
|---|------------|----|
| 3. Surveying  | ..         | do |
| 4. Elasticity and Strength of Materials and<br>Theory of Structures | ..      .. | do |
| 5. Heat Engines and Theory of Machines                              | ..         | do |
| 6. Engineering Design and Geometrical Drawing                       |            | do |

*Part II—Examination.**Civil.*

- |   |            |             |
|---|------------|-------------|
| 1. Higher Theory of Elasticity and Theory<br>of Structures. | ..         | } One paper |
| 2. Higher Geodesy   | ..      .. |             |
| 3. Hydraulics   | ..      .. | do          |
| 4. Irrigation   | ..      .. | do          |
| 5. Civil Engineering and Reinforced Concrete<br>Design.     |            | do          |

*Mechanical.*

- |   |            |    |
|---|------------|----|
| 1. Higher Theory of Elasticity and Theory<br>of Machines. |            | do |
| 2. Hydraulics   | ..      .. | do |
| 3. Thermodynamics   | ..      .. | do |
| 4. Metallurgy and Fuel                                    | ..      .. | do |
| 5. Machine and Machine-Tool Design                        | ..         | do |

8. No candidate shall be declared to have passed the examination unless he obtains  $33\frac{1}{3}$  per cent. of the marks in each paper. Those who obtain 70 per cent. or more of the marks in the aggregate shall be placed in the First Class, and those obtaining 50 per cent. in the Second Class.

Candidates failing at the B. E. Part I examination only in one subject shall be promoted to the higher class, and shall be allowed to appear at the next Part I examination only in the subject in which they had failed.

Such candidates will not be entitled to any class, prize, medal or scholarship.

9. A certificate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed shall be given to each successful candidate. The certificate of the Part I examination shall be signed by the Registrar and that of the Part II by the Chancellor.

10. Civil Engineering students who are successful at the final examination shall be attached for one year to a Public Works Division where large works are in progress and shall be regularly instructed in the preparation of materials, the practical details of construction, the management of labour and in the system of accounts. Mechanical Engineering students shall spend the final year in a recognised Engineering work shop. The Degree of Bachelor of Engineering (B. E.) will be awarded to those students who have, after successfully passing their Degree Examination, undergone one year's approved practical training.

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## FACULTY OF EDUCATION

1. Candidates for the Diploma in Education must be graduates in Arts or Science of the Osmania University or of any other University recognised by it.

2. The course of study and training for the Diploma in Education shall extend over one academic year of three terms with the necessary attendance of 75 per cent at the Osmania Training College of the University at Hyderabad-Deccan.

3. The examination shall be a written examination conducted by means of printed papers. Besides the written examination there will be a practical examination in the teaching of one of the two subjects selected under section IV to test the candidates' skill in teaching. In determining the standard due regard will be paid to the college-record in practical lessons.

Every candidate shall be required to give at least one lesson in the presence of a Board of two Examiners—one internal and one external.

4. The course will consist of lectures, select readings and discussions in conference, besides practice in the handling of classes and the giving of instruction followed by discussions.

Every candidate will be required to give not less than 20 lessons under supervision during the year.

5. Candidates shall be required to undergo a course of instruction and be examined in: ..

- (i) Principles of Education and Psychology.
  - (a) Principles of Education.
  - (b) Elementary Educational Psychology.
- (ii) School Management and Hygiene.
- (iii) History of Educational Ideas and select classics in Education.
- (iv) Methods of Teaching any two of the following subjects:—
  - Physical or Biological Sciences, History, Geography, Mathematics, English, Urdu, Marathi, Kanarese, Telugu and Indian Classical Languages.
- (v) Special Subjects - one of the following: -
  - (a) Modern Educational Systems and Problems.
  - (b) Advanced Educational Psychology.
  - (c) Child Education.

Instruction will also be imparted in the following additional subjects, but no examination will be held therein:—

- (a) Blackboard Illustration.
- (b) Manual Training and Handwork or Nature Study and Gardening.
- (c) Physical Training.

The allotment of marks shall be as follows:—

- (i) Principles of Education and Psychology—100 marks of which 50 marks shall be assigned to Principles and 50 to Elementary Educational Psychology.
- (ii) School Management and Hygiene—100 marks of which 30 marks shall be assigned to school Hygiene.
- (iii) History of Educational Ideas and select classics in Education—100 marks of which 30 marks shall be assigned to classics.
- (iv) Methods of Teaching—100 marks of which 50 marks shall be assigned to each of the two subjects.
- (v) Special subjects—100 marks of which 25 marks shall be assigned to the College record.

All papers shall be of three hours' duration each.

- (vi) Practical Examinations—200 marks of which 100 marks shall be assigned to the College record.

Candidates who obtain not less than 30 per cent. of the marks in papers 1 to 5, and 33 per cent. in the aggregate of the written examination, and 35 per cent. in the practical examination shall be declared to be eligible to receive the Diploma in Education. All other candidates shall be deemed to have failed. Of the successful candidates those who obtain not less than 60 per cent. of the total marks shall be placed in the First Division, and those who obtain not less than 45 per cent. of the total marks shall be placed in the Second Division. The remaining successful candidates shall be considered to have passed in the Third Division. Successful candidates who obtain not less than 65 per cent. of the marks in the paper relating to the Methods of Teaching (iv) shall be declared to have obtained distinction in that subject. In practical examination candidates who obtain 50 per cent. of the marks shall be placed in the Second Division and those who secure 65 per cent. shall be placed in the First Division.

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## TEXT BOOKS.

### FACULTY OF ARTS

#### *Matriculation Examination.*

*Note.*—The University Examination will be held in the text-books prescribed for the IX and X classes in languages, except English; but in Mathematics, Science, History and Geography, the University Examination will be held in the three years courses and in English in the course prescribed for the X Class only.

### A. COMPULSORY.

#### 1. ENGLISH.

##### *VIII Class.—*

*Detailed:—For the Sessions 1343 F. to 1345 Fash.*

Selections in Prose and Poetry, Part II,  
by J. A. Yates, Longmans Green & Co. The  
following selections:—

1. The Story of the Barber's six brother—Arabian Nights  
edited by Andrew Lang.
2. Robinson Crusoe's Ship-wreck by Defoe.
3. Sinbad's Second and Third Voyages—Andrew Lang.
4. The last battle and death of King Arthur—Andrew  
Lang.
5. We Capture an elephant—Jules Verue.
6. Sir John Moore at Corunna.
7. How Locksley shot at the Mark—Scott.
8. A School Cricket Match.
9. The Pilgrim's Progress—Bunyan.

Poetry—Mount Helicon by Edward Arnold and Co., The  
following selections:—

- \*1. My mind to me a Kingdom is—Dyes.
2. Aiens' Songs—Shakespeare.
3. To Daffodils—Herrick.
4. Death the leveller—Shurley.
5. The loss of the Royal George—Clowper.
6. To the Cuckoo—Logan.
7. My heart's in the Highlands—Burns.
- \*8. The Scholar—Southey.
9. The Battle of Hohenlinden—Campbell.
10. Abou Ben Adhem and the Angel—Leigh Hunt.
11. The Burial of Sir John Moore—Wolfe.
- \*12. A Psalm of life—Longfellow.
13. Home they brought—Tennyson.
14. Pippa's Song—Browning.

15. Young and Old—Kingsley.
16. Song—Rossetti.
17. Child's Song—Swinburne.
18. Song on April—Watson.
19. The Scarecrow—Walter De la Mare.

\*Poems marked in asterisks are to be got up by heart.

*Detailed:—For the Session 1343 F. to 1347 Fash.*

The Deccan Reader Book 1.—Published by  
Oxford University Press.

*Non-Detailed:—For the Session 1343 F. to 1344 Fash.*

Ivanho—New Method Readers Series, Long-  
man's Green & Co., adapted by Michael  
West.

*For the Sessions 1344 F. to 1346 Fash.*

Coral Island by E. J. Arnold. (Bright  
Reader Series).

*For the Session 1346 F. to 1347 Fash.*

Allan Quatermain by Rider Haggard by  
Michael West, New Method Readers.  
(Longman's Green & Co.).

## ***IX Class.—***

*Detailed:—For the Session 1343 F. to 1344 Fash.*

-A Reader is Modern English Prose, edited by C. J.  
Brown following selections:—

1. Sir Isaac Newton—Hawthorne.
2. A Loyal Subject—Roe
3. Haji Baba—Mories.
4. The Three Questions.—Tolstoy.
5. George Stephenson.
6. Jaipur—Edwin Arnold.
7. The Taj Mahal—Edwin Arnold.
8. Electric Light—Fournier.
9. The Home Coming—Rabindranath Tagore.
10. Damascus—Warburton.
11. Power.
12. The Civilisation of Insects.



Poetry—Mount Helicon by Edward Arnold & Co. The following selections:—

1. The Man of life upright—Clampion.
- \*2. The Happy Life—Wotton.
3. Ode on Solitude—Pope.
4. Boadicea—Cowper.
- \*5. The daffodils—Wordsworth.
- \*6. Breathes there the man—Scott.
7. Rosabelle—Scott.
8. The last rose of Summer—Moore.
9. The destruction of Sennacherib—Byron.
- \*10. Break, break, break—Tennyson.
11. The loss of the Birkenhead—Doyle.
12. How they brought the good news from Ghent to Aix—Browning.
13. Uphill—Christian Rossetti.
14. The Song of the Bow—Conon Doyle.
- \*15. Soup Joy—Daines.
16. In Flanders Field—Macrae.
- \*17. Sea-ferver—Masefield.

\*Poems marked in asterisks are to be got up by heart.

*For the Sessions 1345 F. to 1347 F.*

The Decan Reader Book II.—Published by Oxford University Press.

*Non-Detailed.—For the Session 1343—1344 F.*

A Tale of two Cities, abridged by Longman's Green & Co.

*For the Sessions 1344—1346 F.*

Tom Brown's School Days, (Oxford University Press).

*For the Session 1346—1347 F.*

Stories from Shakespeare by H. G. Wyatt. (Oxford University Press).

*X Class:—*

*Detailed.—For the Sessions 1343 F. to 1345 F.*

Model Selections from English Literature Part II (Macmillan). The following Selections:—

1. The autobiography of a Shilling—Addison.
2. Sir Thomas More's Daughter—Tonge.
3. The bitter bit—Roe.

4. Discipline—Tonge.
5. Crusoe and the foot-print—Defoe.
6. Copperfield begins life—Dickens.
7. Gulliver in Broddingnag—Swift.
8. The last days of Hastings—Macaulay.
9. As You like it—Lamb.

Poetry—Mount Helicon by Edward Arnold & Co. The following selections :—

- \*1. Mercy—Shakespeare.
2. On his blindness—Milton.
3. The Village School Master—Goldsmith.
4. The Solitary Reaper—Wordsworth.
5. On Westminster Bridge—Wordsworth.
- \*6. The Ocean—Byron.
7. A thing of Beauty—Keats.
8. Annabel Lee—Poe.
- \*9. Ring out, wild bells—Tennyson.
10. O. Captain, my Captain—Whitman.
11. Where lies the land to which the ship  
would go—Clough.
12. Shakespeare—Arnold.
13. The Golden fleece—Morris.
14. The Darkling Thrush—Hardy.
- \*15. Whither O, Ship—Bridges.
16. Vitai Lampada—Newbolt.
17. The Lake Isle of Innisfree—Yeats.
18. Cargoes—Masefield.
19. The Soldier—Brooks.
- \*20. Prayer—Drinkwater.

\* Poems marked in asterisks are to be got up by heart.

*For the Sessions 1345 F. 1347 F.*

The Deccan Reader Book III, Published by Oxford  
University Press.

*Non-Detailed.—For the Sessions 1343—1345 F.*

The Vicar of Wakefield—Adapted by Michael West. New Method Readers Series—Longman's Green & Co.

*For the Session 1345—1347 F.*

Micah Clarke—Abridged by Longmans.

2. URDU.

1345—1348 F. (1936—1939)

*Class VIII:—*

نصاب اردو برائے جماعت ہشتم - مطبوعہ انجمن ترقی اردو -  
صرف و نحو برائے جماعت فوقانیہ مرتبہ مولوی عبدالحق صاحب  
مطبوعہ انجمن ترقی اردو -

*Class IX:—*

نصاب اردو برائے جماعت نہم و دہم - مطبوعہ انجمن ترقی اردو -  
صرف و نحو برائے جماعت فوقانیہ مرتبہ مولوی عبدالحق صاحب  
مطبوعہ انجمن ترقی اردو -

*Class X:—*

نصاب اردو برائے جماعت نہم و دہم - مطبوعہ انجمن ترقی اردو -  
صرف و نحو برائے جماعت فوقانیہ مرتبہ مولوی عبدالحق صاحب  
مطبوعہ انجمن ترقی اردو -

### 3. ELEMENTARY MATHEMATICS.

Arithmetic, Algebra, Geometry and Mensuration—No book is prescribed. For detailed syllabus see Appendix.

### 4. SCIENCE.

The following books are prescribed. For detailed syllabus see Appendix.

- (1) Physics for Matriculation Students, 2 parts, (Osmania University Series).
- (2) Chemistry for Matriculation Students, (Osmania University Series).

The following books are recommended for study:—

- (۱) علم طبیعیات مولفہ سدرشن راج و رادھکا پرشاد
- (۲) تجربی طبیعیات مولفہ محمد احمد عثمانی
- (۳) اسباق کیمیا مولفہ خلیل الرحمن

## 5. INDIAN HISTORY AND GEOGRAPHY.

- (1) Syed Hashimi's Matriculation History of India, (Osmania University Series).
- (2) Marsden's Geography for Senior Classes (Osmania University Series) is recommended. For detailed syllabus in Geography see Appendix.

## 6. THEOLOGY OR MORALS.

## A. Theology for Hanafi students.

- (1) Aqaid and Akhlaq.

Aqaid-i-Islam—Translation of Fiqah-i-Akbar from pages 54 to the end. The Qaiyumi Press, Cawnpore.

- (2) Fiqah:—

The following chapters of Ahsan-ul-Masail:—

- (I) Kitab-ut-Taharat.
- (II) Kitab-us-Salat.
- (III) Kitab-uz-Zakat.
- (IV) Kitab-us-Sawm.
- (V) Kitab-ul-Haj.
- (VI) Kitab-un-Nikah.
- (VII) Kitab-ur-Riza.
- (VIII) Kitab-ut-Talaq.
- (IX) Kitab-ul-Iman.
- (X) Kitab-us-Said-waz-Zabaih.
- (XI) Kitab-ul-Karahat.
- (XII) Kitab-ul-Adhihah.
- (XIII) Kitab-ul-Waqf.

- B. Morals—(for Non-Hanafi and Non-Muslim students)  
Tariq-i-Saadat, Parts 1 and 2—Translation of  
Youth's Noble Path by Zamin Ali Kanturi.

## B. OPTIONALS.

## 1. CLASSICAL LANGUAGES.

## (a) ARABIC.

جماعت هشتم۔ (1936—1937) F. 1345-- 1346

- (۱) نثر۔ مجانی الادب از باب اول تا ختم باب پنجم  
از ابتدا صفحه ۷ تا ختم صفحه ۴۴
- (۲) قواعد۔ النحو الواضع الجزء الاول مکمل

جماعت هشتم۔ (1938—1939) F. 1347—1348

- (۱) نثر۔ مجانی الادب۔ از باب اول تا ابتدا باب پنجم از  
صفحه ۷ تا ختم صفحه ۴۰
- (۲) قواعد صرف و نحو۔ \* النحو الواضع (للمدارس الابتدائية)  
مؤلف علی الجارم و مصطفى امين الجزء الاول مکمل۔

جماعت نهم۔ (1936—1937) F. 1345—1346

- (۱) نثر۔ مجانی الادب از باب ششم تا آخر باب هفتم  
(صفحه ۵۵ تا صفحه ۱۱۲)
- (۲) نظم۔ قصیده برده از ابتدا تا شعر "لا طيب يعدل توبا  
ضم اعظمه الخ
- (۳) قواعد۔ الجزء الثاني من النحو الواضع، مکمل

جماعت نهم۔ (1938—1939) F. 1347—1348

- (۱) نثر۔ مجانی الادب۔ از باب پنجم تا "یحی البر مکی  
سائله، از صفحه (۴۰) تا صفحه (۷۶)۔
- (۲) نظم۔ قصیده برده۔ حسب نصاب ۱۳۴۵-۱۳۴۶ ف۔

(۳) مطالعہ سرسری - قصص للاطفال - تاجر بغداد از ابتدا تا صفحہ ۳۹ -

(۴) قواعد صرف و نحو - حسب نصاب ۱۳۴۵-۱۳۴۶ ف -

جماعت دہم - (1937-1936 F. 1345-1346 F.)

(۱) نثر - مجانی الادب از باب ہشتم تا ختم باب دہم از ابتدا صفحہ ۱۱۳ تا ختم صفحہ ۱۸۷

(۲) نظم - قصیدہ بردہ از شاعر ابان مولدہ عن طیب عنصرہ تا آخر قصیدہ

(۳) قواعد - الجز والثالث من النحو الواضح مکمل

جماعت دہم - (1939-1938 F. 1348-1347 F.)

(۱) نثر - مجانی الادب - از قصہ ”یحی البر مکی و سائلہ تا ختم باب ہفتم از صفحہ (۷۶) تا صفحہ (۱۱۲) -

(۲) نظم - قصیدہ بردہ - حسب نصاب ۱۳۴۵-۱۳۴۶ ف -

(۳) مطالعہ سرسری : قصص للاطفال - تاجر بغداد از صفحہ ۳۹ تا آخر -

(۴) قواعد صرف و نحو - حسب نصاب ۱۳۴۵-۱۳۴۶ ف

نوٹ (الف) النحو الواضح کی بحثوں کو اردو میں سمجھانا اور ترمیمات کی مشق کرانا اساتذہ کافر یضہ ہوگا۔  
(ب) ترجمہ اردو سے عربی اور عربی سے اردو میں ہوگا۔

\* یہ کتابیں مندرجہ ذیل پتہ سے مل سکتی ہیں -

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BOMBAY ( 3 )

## (b) SANSKRIT.

1345—1348 F. (1936—1939).

*Class VIII:—*

*Prose.*—(Iadyavalli, Part II, pages 95-110, by P. V. Kane  
(Macmillan & Co.)

*Poetry.*—Padyavalli, first 11 pages by P. V. Kane.

*Grammar.*—Dr. Bhandarkar's First Book (the whole) and  
first five lessons of Book II.

*Class IX:—*

*Prose.*—(Iadyavalli, Part II, pages 110—145.

*Poetry.*—Padyavalli, pages 1—22.

*Grammar.*—Dr. Bhandarkar's Book II upto "Perfect".

*Class X:—*

*Prose.*—Hitopadesha, the whole of Suhred bheda (Nirnaya  
Sagar, Press, Bombay).

*Poetry.*—Navakusuma Stavaka by Hari Har Shastri.

*Grammar.*—Dr. Bhandarkar's Books I and II, the whole  
except "Aorist."

*N.B.*—Special attention to be paid to subject matter. Translation exercises should be carefully gone through. Conversational lessons should be given. Attempts should be made to develop the students' power of expression who should be made to narrate simple stories or describe simple objects in Sanskrit. The teaching should aim at inculcation of appreciation of the study of Sanskrit Literature and the culture embodied in it in the minds of the students.

1345—1348 F. (1936—1939).

*Class VIII:—*

در فارسی ، حصہ اول ، مرتبہ ڈاکٹر محمد نظام الدین ، مطبوعہ  
اعظم اسٹیم پریس حیدرآباد دکن ۔

قواعد ۔ مبادیات علم صرف ۔ کلمہ و اقسام کلمہ ۔ اسم ، ضمیر و صفت کی  
جملہ اقسام و لوازم کا تفصیلی بیان ۔

در فارسی ، حصہ دوم ، مرتبہ ڈاکٹر محمد نظام الدین ، مطبوعہ  
اعظم اسٹیم پریس حیدرآباد دکن ۔

*Class IX:—*

قواعد ۔ فعل و جملہ اقسام فعل معہ تصریف ، مشابہ فعل و متعلقات  
فعل و حرف و اقسام حرف ، فوائد و استعمالات کا تفصیلی بیان  
اور تحلیل صرفی ۔

*Class X:—*

در فارسی ، حصہ سیوم ، مرتبہ ڈاکٹر محمد نظام الدین ، مطبوعہ  
اعظم اسٹیم پریس حیدرآباد دکن ۔

قواعد ۔ علم نحو ۔ کلام اور اس کی قسمیں ۔ مرکب غیر مفید و مفید کی  
جملہ قسمیں ۔ اجزاء کلام ، ترتیب و مطابقت اجزاء کلام ،  
ترکیب نحوی ۔

نظم و نثر کی مشہور اقسام اور ان کی تعریفات ۔



## 2. MODERN LANGUAGES.

## (a) MARATHI.

*Class VIII* :--1345—1346 F. (1936—1937).

*Prose* :—Maharashtra Vangmaya Praveshika, Part I. by (G. G. Kanetkar, pages 1 to 101 (Macmillan & Co., Bombay).

*Poetry* :—Lessons 1 to 11 (both inclusive) pages 160—183 from the above book.

*Grammar* :—R. B. Joshi's Book II, pages 1 to 98, Lessons 1 to 18. (Chitrashala Press, Poona City).

*Composition* :—V. V. Bhide's Nibandha Lekhan—Descriptive Essays (Chitrashala Press, Poona City).

1347—1348 F. (1938—1939).

*Prose* :—Sita Vanavas by N. K. Behere Pauranik Katha) Pages 1 to 129—Publishers—S. M. Joshi, 715 Budhawar, Poona.

*Poetry* :—Padya Samuchhaya by R. B. Joshi, (Lessons I to XV, pages 1 to 22) Publishers—M. R. Joshi, 299 Narayanpet.

*Grammar* :—Marathi Vyakarnachimula Tawen by (G. H. Kelkar, Publisher—Bombay Book Depot. (Chapters 1 to 5), Pages 1 to 760.

*Composition* :—Same as for 1345—1346 F.

*Class IX* :--1345—1346 F. (1936—1937).

*Prose* :— Maharashtra Vangmaya Praveshika, Part II. by (G. G. Kanetkar pages 1 to 150, Lessons 1 to 13, (Macmillan & Co., Bombay).

*Poetry* :—Maharashtra Vangmaya Praveshika, Part II. pages 150 to 180, Lessons 1 to 12, by the same author as above.

*Grammar* :— R. B. Joshi's Book II, Lessons 19 to 26, pages 101 to 146.

*Composition* :—V. V. Bhide's Nibandha Lekhan—Narrative Essays with meters occurring in the text.

1347—1348 F. (1938—1939).

*Prose*.—Vangmayamala Pushpa I by V. M. Joshi and N. M. Patwardhan. Pages 25 to 122. Publisher. Author Hingane Budruk, Poona 4.

*Poetry*.—Padya Samuchhaya R. B. Joshi. Pages 22 to 44, Lessons 16 to 27.

*Grammar*.—Marathi Vyakarnachimula Tawen by G. H. Kelkar. Publisher—Bombay Book Depot. (Chapters VI to X. Pages 76 to 220.

*Composition*.—Nibandha Lekhan by V. V. Bhide, Narrative Essays.

*Prosody*.—Metres occurring in the text.

*Class X* :— 1345—1346 F. (1936—1937).

*Prose* :—Raselas by Krishna Shastri Chiplunkar, Chitralshala Press, Poona.

*Poetry* :—Padyaratna Samuchhaya by R. B. Joshi, Part 1, pages 1 to 44.

*Grammar* :—R. B. Joshi's Book II (the whole).

*Composition* :—Reflective Essays from V. V. Bhide's Nibandha Lekhan.

*Prosody* :—Virttadarpana by P. R. Godbole, meters occurring in the texts only.

1347—1348 F. (1938—1939).

*Prose*.—Vangmayamala Pushpa I by V. M. Joshi and N. M. Patwardhan. Pages 123 to 240. (Third Part).

*Poetry*.—Padya Samuchhaya by R. B. Joshi. Pages 45 to 66. Lessons (Part II) 1 to 12.

*Grammar*.—Marathi Vyakarnachimula Tawen by G. H. Kelkar. Publisher—Bombay Book Depot. Price Re. 1-4-0 (Chapters XI to XIV).

*Composition*.—Same as for 1345—1346 F.

*Prosody*.—Vrittadarpana by Godbole, Metres occurring in the Text.

## (b) TELUGU.

*Class VIII.*—1345—1346 F. (1936—1937).

*Prose.*—Hitokti Ratnakaram Part I, the whole, by Satya Narayana Shastri. U. C. C. High School, Perambur, Madras.

*Poetry.*—Kavya Sangrahamu, Part I by A. Rama Rao Pantlu (published by Venkat Ram Rao, Ellore. Govyaghra Samvadamu, Chandramati Pativrattayama. Sree Krishna, Nirvanamu.

*Grammar.*—Sulaba Vyakarnamu, Part I by V. Subba Rao.  
1347—1348 F. (1938—1939).

*Prose.*—Same as for 1345—1346 F.

*Poetry.*—Same as for 1345—1346 F.

*Grammar.*—Same as for 1345—1346 F.

*Class IX.*—1345—1346 F. (1936—1937).

*Prose.*—Bharata Mantrulu by Mahopadhiya M. Nagalinga Shastri Tenali.

*Poetry.*—Drupadi Swayamvaramu (Annotated by Ch. V. Joga Rao, B. A. Maharaja's College, Vizyanagaram). (The Educational Publishing House Vizianagaram.) Pages 1 to 27 from the beginning to 96th Verse.

*Grammar.*—Sulabha Vyakarnamu by V. Subba Rao, part II.  
1347—1348 F. (1938—1939).

*Prose.*—Same as for 1345—1346 F.

*Poetry.*—Sukti Ratnakaram. Publishers: K. Muniswami Naidu & Co., 286, Esplanade, Madras. From page 1 to 30, Verses: 114. Selections from Molla Ramayana and Bhagavatam.

*Grammar.*—Same as for 1345—1346 F.

*Class X.*—1345—1346 F. (1936—1937).

*Prose.*—(1) Parikshitu by P. Venkata Subrahmya Shastri Pittapuram.

(2) Sapta Rishulu by Ch. Manikya Sarma.

*Poetry*.—Darupadi Swayambaramu, annotated by Ch. V. Joga Rao, B. A., Maharaja's College, from pages 27—53 and from pages 96 to 102—106 verses. (The Educational Publishing House, Vizyanagaram).

*Grammar*.—Sulabha Vyakarnamu, Parts I, II and III by V. Subha Rao.

1347—1348 F. (1938—1939).

*Prose*.—(1) Same as for 1345—1346 F.

(2) Sapta Rishulu by Ch. Manikya Sarma.

*Poetry*.—Sukti Ratnakaram, Publishers: K. Muniswami Naidu & Co., 286, Esplanade, Madras. From page 30 to 68, Verses: 167. Selections from Pancha Tantra—Bhoja Rajiyam and Harishchandropakyanam and Bharatam.

*Grammar*.—Same as for 1345—1346 F.

(c) KANARESE.

*Class VIII*:—1345—1346 F. (1936—1937).

*Prose*.—Sanna Kathegalu by Srinivasa.

*Poetry*.—Kiriya Kanike, Nos. 1, 3, 5, 7, 9, 11, 12, 13, 14, 19, 21, 22, 28 and 30.

*Grammar*.—Vyakarna Sara Sangraha.

1347—1348 F. (1938—1939).

*Prose*:—Subbana by Srinivasa (M. Masti Venkatesha Iyengar.)

*Poetry*.—Srirama Charitra by Sali Ramachandra Rao (1st 4 Adhyayas).

*Grammar*.—Vyakaranna Sara Sangraha.

*Class IX*.—1345—1346 F. (1936—1937).

*Prose*:—James Abraham Garfield's Life, edited by Sahitya Parishat, 10 Adhyayas.

*Poetry*:—Bharata Digvijaya, Sabha Parva 3rd Sandhi, edited by Sahitya Parishat

*Grammar*:—Vyakarna Sara Sangraha.

1347—1348 F. (1938—1939).

*Prose*:—*Namma Urina Rasikaru*, Parts 1 to 9 by Gosum  
Ramaswami Iyengar

*Poetry*:—*Karnataka Mahabharata Subhaparva Sandhi* 14,  
(Verses 8) (Mysore Oriental Library edition).

*Grammar*:—*Vyakarna Sara Sangraha*.

*Class X*:—1345—1346 F. (1936—1937).

*Prose*:—James Abraham Garfield's *Life to the end*.

*Poetry*:—*Bharata Digvijaya*, Sandhis 4 and 5.

*Grammar*:—*Vyakarna Sara Sangraha*.

1347—1348 F. (1938—1939).

*Prose*:—*Namma Urina Rasikaru to the end*.

*Poetry*:—*Bharata Sabhaparva Sandhi* 15, (Verses 147).

*Grammar*:—*Vyakarana Sara Sangraha*.

### 3. HISTORY OF ENGLAND.

*Bukley's History of England* (O. U. Series).

### 4. ALGEBRA AND GEOMETRY.

No book is prescribed in Algebra and Geometry. Syllabuses are given in the Appendix.

### 5. COMMERCE.

No book is prescribed in Commerce. Syllabuses are given in the Appendix.

### 6. BIOLOGY.

No book is prescribed, the books for the guidance of teachers are given with the detailed syllabus in Appendix.

### 7. DOMESTIC SCIENCE.

No book is prescribed in Domestic Science. Syllabuses are given in the Appendix.

### C. SCHOOL SUBJECTS.

The detailed syllabuses in Drawing, Physical and Manual Training are given in the Appendix.

## INTERMEDIATE EXAMINATION.

### ENGLISH.

1345—1346 F. (1936—1937).

*I. Poetry*:—(A) English Narrative Poems by Sir H. Newbolt (Edward Arnold & Co.).

The following selections:—

- |                      |    |         |
|----------------------|----|---------|
| 1. Sohrab and Rustum | .. | Arnold. |
| 2. Bannockburn       | .. | Scott.  |

(B) Tennyson's Select Poems, edited by G. K. Allen, published by G. Bell & sons.

The following Poems:—

1. Recollections of the Arabian Nights.
2. The Lotos-Eaters.
3. Ulysses.
4. The Lord of Burleigh.
5. The Lady of Shalott.
6. Sir Galahad.
7. The Brook.
8. Tithonus.
9. Enoch Arden.

*II. Prose*:—(A) *Detailed*:—

1. Some Roundabout Papers edited by R. C. Goffin (Oxford University Press).

Omitting the following:—

V. H. D. Traill: The future of Humour.

X. Mathew Arnold: The Choice of Subjects in Poetry.

XI. Andrew Lang: The Supernatural in fiction.

XIII. R. L. Stevenson: A Gossip on Romance.

2. Essays on Goldsmith, and selections from his writings. Edited by Hadow and Wheeler pp. 95—168. (Oxford University Press).

(B) *Non-Detailed*: David Copperfield (Edward Arnold).

1347—1348 F. (1938—1939).

*II. Prose- (A). Detailed—*

- (1). Selections from the Spectator edited by J. H. Lobban Pages 1—235 including appendix (Cambridge University Press), omitting the following:—

V, VII, VIII, IX, X, XII, XIII, XIV, XXII, XXV, XXVIII, XXX, XXXII, XXXIII, XXXIV, XXXVI, XXXVIII, XI, XII, XLVI, XLVII, XLVIII, XLIX, L, LI, LII, LIV, LV, LVI, and LVII.

- (2). Selection from Essays in Modern English by F. Page & E.V. Rieu 1—260 (Oxford University Press omitting the following:— I, II, IV, V, VII, VIII, XI, XII, XIII, XIV, XVI, XVII, XVIII, XIX, XX, XXI, XXII, XXIII, XXV, XXVI, XXVII, XXXI, XXXII, XXXIII.

- (B) *Non-Detailed* - Quiller - Couch - Historical Tales from Shakespeare. (Edward Arnold & Co).

ARABIC.

1345—1346 F. (1936—1937)

(۱) نثر - سورۃ طہ (مکمل)

کلیۃ و دمنہ - نصف اول تا ابتداء باب الحمامۃ المطوقہ - صفحہ ۸۲  
مقامات بدیع الزماں - (۶) سے (۱۰) تک مقامہ اسدیہ سے ختم  
مقامہ اصفہانیہ تک -

(۲) نظم - حماسۃ ابواب ذیل :-

باب الادب نصف اول و باب الصفات کامل -  
بالاب ضیاف والمديح میں سے ابتدائی صرف ۲۵۰ اشعار -

(۳) مطالعہ سرسری کے لئے :-

الہو ساء مولفہ حافظ محمد ابراہیم ، مطبوعہ قاہرہ جزء اول  
تا صفحہ ۱۰۶

(۴) عروض و قافیہ و بلاغت (معانی - بیان و بدیع) :-

علم الادب مصنفہ لوئیس شیخو (مطبوعہ بیروت) انتخابات از  
حصہ اول -

(۵) صرف و نحو -

کتاب النحو الواضع فی قواعد العربیہ للدارس الثانیہ الجزء الاول،  
الجزء الثانی والثالث -

ہدایت - اصلی قواعد کے تمرینات اساتذہ اردو میں سمجھائینگے  
مطالعہ سرسری کا امتحان ترجمہ و قواعد کے ساتھ ہوگا -

1347—1348 F. (1938—1939)

(۱) نثر - حسب نصاب سنہ ۱۳۴۵ - ۱۳۴۶ ف

(۲) نظم - حسب نصاب سنہ ۱۳۴۵ - ۱۳۴۶ ف

(۳) مطالعہ سرسری

\* تراجم مصریہ و غربیہ - تالیف الدکتور محمد حسین ہیکل بك  
مطابعتہ السیاسة مصر میں سے مندرجہ ذیل مضامین -

(الف) کلیو باطرہ (ب) اسمعیل باشا

(ج) بطرس باشا غالی (د) بتھوفن (ه) شکسپیر -

(۴) عروض و قافیہ

اساتذہ کو چاہئے کہ کمی بستند کتاب سے منتخب و مختصر  
مضامین عروض و قافیہ پر طلبہ کو لکھوائیں اور اسکو سمجھائیں -



(۵) بلاغت (معانی۔ بیان۔ بدیع)

\* البلاغة الواضحة. لعلی الحارم ومصطفى امین۔ مطبعة المعارف مصر

(۶) صرف و نحو۔

حسب نصاب سنہ ۱۳۴۵ - ۱۳۴۶ ف

(ہدایت) اساتذہ قواعد کی بحثوں کو اردو میں سمجھا ئینگے اور  
تمرینات کی مشق کرائینگے۔

(نوٹ) مطالعہ سرسری کا امتحان ترجمہ و قواعد و صرف و نحو کے  
ساتھ ہوگا۔

\* یہ کتابیں مندرجہ ذیل پتہ سے دستیاب ہو سکتی ہیں۔

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PERSIAN.

1345—1346 F. (1936—1937)

(الف) نظم۔ غرر فارسی مرتبہ ڈاکٹر محمد نظام الدین، مطبوعہ اعظم اسٹیم  
پریس کے مندرجہ ذیل انتخابات۔

تصیّدہ سعدی :-

(۵) ابن منقّی یر اهل زمیں بود ز آسمان

(۶) شکر بشکر نہم درد دہاں مژدہ دہاں

(۷) اے نفس اگر بدیدہ تحقیق بنگری

عرف :-

- (۸) اقبال کرم می گزد ارباب هم را  
(۱۲) هر سوخته جانے که به کشمیر در آید  
(۱۴) اے متاع درد در بازار جان انداخته

تا آتی :-

- (۱۶) نسیم خلد می وزد مگر ز جویبارها  
(۲۱) عید است و جام زرفشان از مے گرانبار آمده  
(۲۲) بنفشه رسته از زمین بطرف جویبارها

غزلیات سعدی -

- (۷) ای توئی یا سروبستانی برفتار آمده است  
(۸) افسوس بر آن دیده که روئے تو ندیده است  
(۱۱) چون ملک گدایان بجهان مملکتی نیست  
(۱۳) کس ندانم که دریں شهر گرفتار تو نیست  
(۱۵) درخت عنجه بر آورد و بلبلان مستند  
(۱۶) نه شرط عشق بود کز بلا پرهیزند  
(۱۸) اے ساربان آهسته راں کارام جانم میرود  
(۱۹) گر گویمت که سروی سرواین چنین نباشد  
(۲۰) اگر دستم دهر روزمے که انصاف از تو بستانم  
(۲۱) آن دوست که من دارم و آن یار که من دانم  
(۲۲) بخدا که گر بمیرم که دل از تو بر نگیرم  
(۲۳) سالها در بے مقصود بجان گر دیدیم  
(۲۴) آستین بروی و نقشی در میان افکنده  
(۲۵) دانت آستین چرایش جمال می بری  
(۲۸) شیریں دهان آن بت عیار بنگرید

- (۳۱) اگر آن ترك شیر از بی بدست آرد دل مارا  
 (۳۳) صوفی بیا که آئینه صاف است جام را  
 (۳۴) صبا بلطف بگو آن غزال رعنا را  
 (۳۵) باغ مرا چه حاجت سرو و صنوبر است  
 (۳۷) بگو می یکده هر سال که ره دانست  
 (۴۱) خوشتر ز عیش و صحبت و باغ و بهار چیست  
 (۴۲) در دیر منغان آمد یارم قدحی دردست  
 (۴۳) دیدی که یار جز سر جور و ستم نداشت  
 (۴۴) بحر نیست بحر عشق که هیچش کنار نیست  
 (۴۷) زاهد ظاهر پرست از حال ما آگاه نیست  
 (۴۸) شگفته شد گل حمر او گشت بلبل مست  
 (۵۰) عیب رندان مکن ای زاهد پاکیزه سرشت  
 (۵۱) کس نیست که افتاده آن زلف دو تا نیست  
 (۵۲) کنون که بر کف گل جام باده صاف است  
 (۵۳) آنان که خاک رابه نظر کیمیا کنند  
 (۵۵) تاز میخانه و می نام و نشان خواهد بود  
 (۶۳) صوفی نهاد دام و سر حقه باز کرد  
 (۶۵) غلام و گس مست تو تاجدار آنند  
 (۶۶) اثر بر خیزد از دستم که بادلدار بنشینم  
 (۶۸) فاش می گویم و از گفته خود دل شادم  
 (۶۹) من نه آن رندم که ترك شاهد و ساغر کنم  
 (۷۰) ای خسرو خوبان نظری سوی گدا کن  
 (۷۳) مزرع سبز فلک دیدم و داس مه تو  
 (۷۶) ز کوی یار می آید نسیم باد نوری  
 (۷۹) صبا تو نکست آن زلف مشکبوداری

(ب) منتخبات فارسی نظم و نثر عصر جدید

نوٹ۔ نثر و نظم عصر جدید کا تازہ انتخاب شائع کیا جائیگا۔ اگر بر وقت تیار و شائع نہ ہو سکے تو حسب سابق لسان العجم حصہ اول۔ نثر و کلام عصر جدید بشمول اشعار پوراؤد مشرعیط رہینگے۔

(ج) نثر (۱) گلستان۔ دیباچہ۔ ہفتم و ہفتم

(۲) انوار سہلی۔ باب اول تا آخر حکایت دہم

(۳) راہ نو جلد سوم از ابتدا تا آخر باب سوم

(غیر فارسی حصہ نثر صفحہ ۱-۶۸)

(۴) بہار بلاغت۔ مولفہ قلندر علی از صفحہ ۱ تا ۱۲۹

(د) ابتدائی عربی۔ مبادی القراءة الرشیدہ۔ الجزء الثانی تالیف

محمد عبید مطبوعہ مطبعۃ المعارف۔ مصر۔ (یہ کتاب میکلن کپنی سے دستیاب ہو سکتی ہے)۔

1847-1848 F. (1938-1939)

(الف) نظم۔ غیر فارسی مرتبہ ڈاکٹر محمد نفا الدین مطبوعہ

آعظم اسٹیم پریس حیدر آباد کن کے مندرجہ ذیل انتخابات :-

قصائد۔ سعدی۔

(۳) بامدادان کہ تفاوت نکند لیل و نہار

(۵) این متی براہل زمین بود ز آسمان

(۷) اے نفس اگر بد بدۃ تحقیق بنگری

عرف :-

(۸) اقبال کرم می گزدار باب ہم را

(۱۱) ز آسمان بہ زمین مژدہ ناگہاں آمد

(۱۲) ہر سوختہ جانے کہ بہ کشمیر در آید

## قاآفی :-

- (۱۶) نسیم خلدی وزد مگر ز جو بیا رہا  
(۲۰) فرو بگرفته گیتی را بباغ و راغ و کوہ و در  
(۲۲) بنفشہ رستہ از زمین بطرف جو بیا رہا

غزلیات - سعدی -

- (۲) آنرا کہ جاے نیست ہمہ شہر جاے اوست  
(۳) اے پیک پے خجستہ کہ داری نشان دوست  
(۴) مگر نسیم سحر بوے زلف یار منست  
(۶) از ہر چہ می رود سخن دوست خوشتر است  
(۹) اے کہ گفتی ہیچ مشکل چوں فراق یار نیست  
(۱۰) اے جان خردمندان گوئی خم چو گانت  
(۱۱) چوں ملک گدایان بجہاں مملکتی نیست  
(۱۳) کس ندانم کہ درین شہر گرفتار تو نیست  
(۱۵) درخت غنچہ بر آورد و ببلبلان مستند  
(۱۶) نہ شرط عشق بود کز بلا پرہیزند  
(۱۹) گر گویمت کہ سروی سرواں چنیں نباشد  
(۲۱) آن دوست کہ من دارم و آن یار کہ من دامن  
(۲۵) دامن آستین چو پیش جمال می برید  
(۲۷) سروے چو تومی باید تا باغ بیا راید  
(۲۸) شیرین دہاں آن بت عیار بنگرید

حافظ -

- (۳۱) اگر آن ترک شیرازی بدست آرد دل مارا  
(۳۶) دل می رود ز دست صاحب دلاں خدا را  
(۳۸) بنال بلبل اگر باہمت سریاری است  
(۴۱) خوشتر ز عیش و صحبت و باغ و بہار چیست

(۴۷) زاہد ظاہر پرست از حال، آگاہ نیست

(۵۰) عیب رندان مکن ای زاہد پاکیزہ سرشت

(۵۴) پیرانہ سرم عشق جوانی بسر افتاد

(۵۵) تازہ یخانہ ومی نام و نشان می خواہد بود

(۶۵) غلام نو گس مست تو تا جدا رآنند

(۶۷) بیاتاکل بر افشایم ومی درساغر اندازیم

(۷۰) اے خسرو خوبان نظری سوئے گداکن

(۷۲) تاب بنفشہ می دھد طرہ مشکسائے تو

(۷۳) مزرع سبز فلک دیدم وداس مہ نو

(۷۶) زکوی یار می آید نسیم باد نوروزی

(۷۷) ساقیا سایہ ابرست و بہار لب حوی

(ب) نثر (۱) گلستان - دیباچہ - باب ہفتم و ہشتم

(۲) انوار سہیلی - باب دوم

(ج) منتخبات نظم و نثر عصر جدید ایران -

نوٹ - "مجاورہ ایران"، حصہ اول زیر طبع ہے اکبر بر وقت

شائع نہ ہو سکے تو حسب ذیل کتابیں مشروط رہینگی -

اسان العجم - حصہ اول - نثر باستثناء ذرہ خورشیدہ ص - (۲۱ - ۲۶)

حالات سفر مرزا محسن خان ص - (۵۵ - ۸۱)

راہ کاظم زادہ دیباچہ گفتار اول و دوم و پنجم مندرجہ غرر فارسی

ص - (۱ تا ۴۵) و (۹۰ تا ۱۱۶)

آخریں یادگار نادر شاہ سعید نفیسی برائے مطالعہ سرسری - مطبوعہ

کتابستان الہ آباد -

کلام عصر جدید مندرجہ غرر فارسی باستثناء عنوانات ذیل :-

- (۲) نصر اللہ فلسفی - امید بشر -
- (۳) عبد الحسین احمد بختیاری افکار یک شب تابستان -
- (۸) ایرج مرزا جلال الممالک - خدا و قمر -
- (۱۳) رشید یاسمی - مقاومت -
- (۱۵) محمد علی ناصح - ساقی مہوش ندانم تا چہ در پیمانہ کرد -
- (۱۶) " " " " در آئینیت وفا گرہست و گر نیست -
- (۱۷) دبیر الممالک قائم مقامی - وحوش الملک -
- (۵) بلاغت -

بہار بلاغت مولفہ قلندر علی از صفحہ (۱ تا ۱۲۹)

- (۵) ابتدائی عربی - مبادی القراءۃ الرشیدہ - الجز الثانی تالیف محمد عید
- مطبوعہ مطبعۃ المعارف مصر - ( یہ کتاب میکان کینی سے
- دستیاب ہو سکتی ہے )

URDU.

1345--1346 F. (1936--1937).

نثر :-

- (۱) انتخابات مضامین حالی -
- (۲) فسانہ میتلا - نذیر احمد ( باستثناء فصل (۱۹) " میتلا اور عارف کا مباحثہ " ) -
- (۳) " افادات سلیم " -

نظم -

- (۱) دیوان حالی -
- (الف) قطعات -
- (ب) غزلیات (۱) تا (۵)
- (ج) مرثیہ -

(۲) میر تقی - شعلہ عشق -

(۳) دیوان غالب - حسب ذیل غزلیات -

- (۱) درد منت کش دوا نہ ہوا۔
- (۲) پھر مجھے دیدہ تر یاد آیا۔
- (۳) ہوئی تاخیر تو کچھ باعث تاخیر بھی تھا۔
- (۴) جور سے باز آئے پر باز آئین کیا۔
- (۵) دوست عمخواری میں میری سعی فرمائینگے کیا۔
- (۶) کھر جب بنالیا ترے در پر کہے بغیر
- (۷) لازم تھا کہ دیکھو مرا رستہ کوئی دن اور
- (۸) آہ کو چاہئے اک عمر اثر ہونے تک
- (۹) وہ فراق اور وہ وصال کہان
- (۱۰) سرے جہان کے اپنی نظر میں خاک نہیں
- (۱۱) کی وفا ہم سے تو غیر اسکو جفا کہتے ہیں
- (۱۲) یہ ہم جو ہر میں دیوار و در کو دیکھتے ہیں
- (۱۳) سب کہان کچھ لالہ و گل میں نمایاں ہو گئیں
- (۱۴) دل ہی تو ہے نہ سنگ و خشت درد سے بھر نہ آئے کیوں
- (۱۵) رہئے اب ایسی جگہ چلکر جہان کوئی نہو
- (۱۶) مسجد کے زیر سایہ خرابات چاہئے
- (۱۷) عشق مجھ کو نہیں وحشت ہی سہی
- (۱۸) کوئی دن گر زندگانی اور ہے
- (۱۹) کوئی امید پر نہیں آتی
- (۲۰) دل نادان تجھے ہوا کیا ہے
- (۲۱) پھر کچھ اک دل کو بیقراری
- (۲۲) پھر اس انداز سے بہار آئی
- (۲۳) بازیچہ اطفال ہے دنیا مرے آگے
- (۲۴) ابن مریم ہوا کرے کوئی
- (۲۵) کبھی نیکی بھی اسکے جی میں گرا جائے ہے مجھ سے
- (۲۶) مدت ہوئی ہے یار کو مہمان کئے ہوئے
- (۲۷) نوید امن ہے پیدا دوست جاں کے لئے



(۲۸) ہاں دل درد مند زمزمہ ساز

(۲۹) خوش ہوا مے بخت کہ ہے آج ترے سرسہرا

(۳۰) منظور ہے گزارش احوال واقعی

(۴) اقبال - شکوہ و جواب شکوہ -

قواعد -

صرف و نحو - قواعد اردو مرتبہ مولوی عبدالحق صاحب

عروض و بلاغت -

تلخیص عروض مرتبہ نواب حیدر یار جنگ بہادر

بہاشا -

ہندی اردو مالا مولفہ پنڈت ہری ہریشاستری حصہ اول و دوم

1348—1349 F. (1938—1939).

نثر -

(۱) حالی انتخابات مقالات حالی حصہ اول (انجمن ترقی اردو)

کے مضامین ۴-۵-۷-۸-۹-۱۳-۱۶-۲۳-۲۴-۲۶-۲۸-

(۲) نذیر احمد - ابن الوقت

(۳) سلیم - افادات سلیم -

(۴) شبلی مقالات شبلی حصہ دوم پانچ مضامین ادبی

نظم -

(۱) حالی - غزلیات ردیف (۱) تا (۵) اور قطعات

(۲) میر تقی - شعلہ عشق - دریا مے عشق - اعجاز عشق - جوش عشق

(۳) دیوان غالب - غزلیات حسب نصاب سنہ ۱۳۴۵ و ۱۳۴۶ ف

(۴) اقبال - بانگ درا بحذف غزلیات

قواعد - عروض و بلاغت - بہاشا حسب نصاب سنہ ۱۳۴۵ و ۱۳۴۶ ف

## SANSKRIT.

1345—1346 F. (1936—1937).

*Prose* :—Shakuntala 1st 4 Acts.*Poetry* :—Raghuvansa Canto IX.

(Īta-Adhyaya II.

*Grammar* :—Kale's Smaller Grammar.

1347—1348 F. (1938—1939).

*Prose* :—Malvikagni Mitra of Kalidas.*Poetry and Grammar* :—Same as for 1345 & 1346

## MARATHI.

1345—1346 F. (1936—1937).

*Prose* :—1. Vishnu Shastri Chiplunkar's life (L. K. Chiplunkar's book). Published by Chitrashala Press, Poona.)

2. Marathi Vangmaya Vivechana by R. B. Joshi, Published by M. R. Joshi, B.A., Narayana Peth, Poona.

*Drama* :—Totayachiin Bond by N. C. Kelkar.*Poetry* :—1. Moropant—Udyogaparva Adhyaya 1—6 both inclusive (verses 513) Nirnaya Sagar Press, Bombay 2.

2. Rev. Tilakachi Kavita Book I Guehhu I and II. Pages 17 to 44 (inclusive) Publisher—D.N. Tilak Trimbak Road, Nasik City.

*Grammar* :—(1) Vibhakti 2. Vibhaktyartha Akhyatartha 3. Samasa 4. Prayoga. Book recommended Sastreeya Marathi Vyakarna by Damale.

(2) Vritta Darpana bearing on the meters occurring in the texts by P. R. Godbole, New Kitab Khana, Poona.

1347—1348 F. (1938—1939).

*Prose* :—(1) Erandachen Gurhal by C. V. Joshi Publishers-Parechure Puranik, Bombay. 4.

- (2) Edachpyala Natak by Gadkari.  
Publisher—Purchure Puranik.
- (3) Literature:—Maharstra Natyakala  
Va Natya Vangamaya by G. R. Dandavate.  
Central Library Baroda. (Pages 1-145)

*Poetry*:—(1) Kaveeche Tatwadynana by Behere N.K.  
(Pages 9 to 57) Publisher—Parchure Puranik.

- (2) Udyogaparva by Moropant, Adhyaya 1—6  
(both inclusive verses 513, Nirnaya Sagar  
Press, Bombay)

*Grammar*:—Same as for 1345—1346 F.

#### KANARESE.

1345—1346 F. (1936- 1937)

*Prose*:—*Classical*:—Adbhuta Ramayanam by Muddanna,  
New Edition.

*Modern*:—Mayoora by Devadu Narasimha Sastry.

*Poetry*:—Jaimini Bharata Sandhis 25 and 26.  
Sri Rama Pattabhisheka by Mahalakshmi'  
(Muddanna), Sanli's 3, 4 & 5 only.

*Drama*:—Swapnavasavadatta by Pandit Devasikhamani  
Alasingaracharyar.  
Rakhakshi by K. V. Puttappa.

*Grammar*:—Kannada Kaipidi.

*Consultation*:—(1) Muddana, Edited by Karnataka Sangha  
Central College, Bangalore.

- (2) Kavi Lakshmeesa Edited by Karnataka  
Sangha Chickmagalur.

1347—1348 F. (1938—1939).

*Prose*:—*Classical*:— Same as for 1345—1346 F.

- Poetry*:— (1) Raghuvamsa Chapter 1, by Nagesha  
Sastri.
- (2) Jaimini Bharata Sandhis 28, 29, 30  
and 31.

*Drama*:—Panchratra by Alasigracharyar.

*Grammar*:—Halagunnada Vyakarna Supagalu

*Consultation*:—Same as for 1345—1346 F.

*Non-Detailed*—Vidyullata by Tiremalumba Part 1  
Satihitaishini granthemala.

*Note*:—These books can be had from the Satyasodhana Book Depot, Bangalore City.

### TELUGU.

1345—1346 F. (1936—1937).

Madras University Selection in Telugu for Intermediate Examination.

*Poetry*:—(1) Selection No. 27 Sanjaya Raya Bhramu.  
Page 267—verses 123.

(2) Selections No. 53 and 54 Potanna, Page 545—  
verses 200.

*Prose*:—(1) Darpa Dalanamu by G. Sri Rama Sastri.

(2) Stories from Tagore by Tirupati Sastri. (Macmillan & Co.).

(3) Prabhatamu by Vanguri Subbarao, Rama Vilas Grandha Mala Chitrade, Pittapuram. P.O.

*Drama*:—Abhijnana Sakuntalam by K. Veerasalingam.

1347—1348 F. (1938—1939).

*Poetry*:—Same as for 1345—1346 F.

*Prose* (1) Lakshmi Prasadam by K. Venkata Sastri,  
Publisher, Saraswati, Grandha Mandali,  
Rajmandhry.

(2) Patala Bhairavi by A. V. Narasimham,  
Vijnana Chandrika, Mandali, Bezwada.

*Drama*:—Same as for 1345—1346 F.

### ENGLISH HISTORY.

(1) Ransome's Advanced History of England (Osmania University Series.)

(2) Montague's Constitutional History of England, (Osmania University Series.)

### EUROPEAN HISTORY. (*Ancient*).

- (1) Bury's History of Greece, (Osmania University Series).
- (2) Pelham's Outlines of Roman History, (Osmania University Series.)

### EUROPEAN HISTORY (*Medieval and Modern*).

Thatcher and Schwill's History of Europe (Osmania University Series.)

### ISLAMIC HISTORY.

Amir Ali's History of the Saracenes

### INDIAN HISTORY AND ADMINISTRATION.

- (1) Sayyid Hashimi's Intermediate History of India 4 vols. (Osmania University Series.)
- (2) Anderson's British Administration of India (Osmania University Series.)

### ECONOMICS.

- (1) Economics by Prof. Habibur Rahman.
  - (2) Banarjee's Indian Economics (new edition.)
- For Detailed Syllabus vide Appendix.

### SOCIOLOGY.

No book is prescribed for the present; for detailed syllabus vide Appendix.

### GEOGRAPHY.

No book is prescribed : for detailed syllabus vide Appendix.

### LOGIC.

- (1) Deductive and Inductive Logic. (Osmania University Series).
  - (2) Creighton's Logic.
- For detailed syllabus vide appendix.

### PSYCHOLOGY.

Psychology by J. R. Angell. For detailed Syllabus vide Appendix.

### PHYSICS.

1345—1346 F. (1936—1937)

- (1) Gregory and Hadley's Class Book of Physics, Parts 1-6, (Osmania University Series.)
- (2) Practical Physics for Intermediate Students, by Prof. Abdul Rahman Khan, 3 volumes (Osmania University Series.)

1347—1348 F. (1938—1939).

- (1) Gregory and Hadley's Class Book of Physics, Parts 1-6, (Osmania University Series.)
- (2) Allen and Moore's Practical Physics 3 volumes (Osmania University Series.)

For detailed syllabus vide Appendix.

The following books are recommended for study:—

- (1) Houston's Intermediate Physics.

کتاب المقناطیس و البرق مولفہ نصیر احمد

” ” کتاب التود

طبیعیات عملی برائے انٹرمیڈیٹ مولفہ احمد عثمانی

#### CHEMISTRY.

1345—1346 F. (1936—1937).

The following books are recommended:—

1. Inorganic Chemistry by Alexander Smith, (Osmania University Series.)
2. A Class Book of Organic Chemistry by Cohen, (Osmania University Series.)
3. A Course of Practical Chemistry to be compiled by Dr. Muzaffaruddin Qureshi.

1347—1348 F. (1938—1939).

The following books are recommended:—

1. Inorganic Chemistry by Holmyard, (Osmania University Series.)
2. A Class Book of Organic Chemistry by Cohen, (Osmania University Series.)
3. A Course of Practical Chemistry to be compiled by Dr. Muzaffar-ud-din Qureshi.

For detailed syllabus vide Appendix.

#### BIOLOGY.

1345—1346 F. (1936—1937).

The following books are recommended:—

##### (A) Botany.

1. Lowson and Sahni's Text-Book of Botany.
2. Rangachariar's Practical Botany.

##### (B) Zoology.

3. Elementary Zoology for Medical students by Borradaile.
4. J. A. Thomson's Outlines of Zoology.
5. Marshall and Hurst's Junior Course of Practical Zoology.

1347—1348 F. (1938—1939).

## (A) Botany.

The same as for 1345—1346 F.

## (B) Zoology.

3. Parker & Bhatia —Text-book of Zoology.  
(Macmillan) for Indian students.
4. Barradaile —Manual of Zoology.  
(Oxford University Press).
5. T. J. Moon. —Biology for Beginners,  
(George Harrop & Co.).
6. Bahl, K. N. Pheretima, The Ind. Zoology.  
Memoirs, Ser. I.
7. Marshall. —The Frog.
8. Huxley. —Elementary Physiology.  
(Macmillan).

For detailed Syllabus vide Appendix.

## MATHEMATICS.

Hall and Knights: Higher Algebra Part I (O.U.S.).  
 Loney's Trigonometry Part I (O.U.S.).  
 Plane Geometry for the Intermediate Classes (O.U.S.).  
 Hall and Stevens' School-Geometry Part VI (O.U.S.).  
 Geometrical Conics for the Intermediate Classes (O.U.S.).  
 Co-ordinate Geometry for the Intermediate Classes (O.U.S.).  
 Elements of the Calculus for the Intermediate Classes  
 (O.U.S.).

## THEOLOGY OR MORALS.

## (A) Theology (for Hanafi students).

1. Rahmat-ul-lil-Alamin I Part (printed at Rose Bazaar Press, Amritsar, (1916).

ترجمہ پارہ عم

(پروفیسر کا فرض ہوگا کہ عقائد اور اعمال کے متعلق جو مسائل آئیں انکی توضیح کر دین جن پر سوالات ہو سکیں گے۔)

## (B) Morals (for Non-Hanafis and Non-Muslims) Hikmat-i-Amali, by Sajjad Mirza Beg.

# B. A. EXAMINATION.

## ENGLISH.

1345—1346 F. (1936—1937).

### 1. *Detailed Poetry*—

(a) Shakespeare—King Lear.

(b) The following selections from Palgrave's *Golden Treasury*, edited by C. B. Wheeler (Oxford University Press) 1929 Edition:—

No.

12	A Consolation	..	..	Shakespeare.
14.	To me, fair friend, you never can be old			do
18	To his love	..	..	do
19	Do	..	..	do
23	True love	..	..	do
29	Remembrance	..	..	do
38	To his Lute	..	..	Drummond.
49	The Triumph of Death	..	..	Shakespeare.
53	Prothalamion	..	..	Spenser.
58	Th Lessons of Nature	..	..	Drummond.
66	Lycidas	..	..	Milton.
69	Death the Leveller	..	..	Shirley.
71	On His Blindness	..	..	Milton.
83	To Lucasta, on going to the wars	..	..	Colonel Lovelace.
117	Ode on the Pleasure arising from Vicissitude	..	..	Gray.
139	Ye flowery banks o'bonnie Doon	..	..	Burns.
140	The Progress of Poesy	..	..	Gray.
142	Ode on the Spring	..	..	do
147	Elegy written in a Country Churchyard	..	..	do
158	Ode on the distant prospect of Eton College	..	..	do
160	The Solitude of Alexander Selkirk	..	..	Cowper.
166	On first looking into Chapman's Homer	..	..	Keats.
177	The Lost Love	..	..	Wordsworth.
180	A slumber did my spirit seal	..	..	do
189	To a distant friend	..	..	do
193	La Belle Dame Sans Merci	..	..	Keats.
200	Desideria	..	..	Wordsworth.
202	Elegy on Thyrza	..	..	Byron.
209	On the Castle of Chillon	..	..	do
211	On the extinction of the Venetian Republic	..	..	Wordsworth.



212	London MDCCCII	..	..	do
213	The Same	..	..	do
217	Pro Patria Mori	..	..	Moore.
227	Stanzas written in Dejection near Naples	..	..	Shelley
228	The Scholar	..	..	Southey.
232	Elegy	..	..	Byron.
236	Rosabelle	..	..	Sir W. Scott.
240	To the Skylark	..	..	Wordsworth.
241	To a Skylark	..	..	Shelley
243	To the Cuckoo	..	..	Wordsworth
244	Ode to a Nightingale	..	..	Keats.
245	Upon Westminster Bridge	..	..	Wordsworth.
250	The Reaper	..	..	do
252	To a lady with a guitar	..	..	Shelley
253	The Daffodils	..	..	Wordsworth.
266	To sleep	..	..	do
268	A Dream of the Unknown	..	..	Shelley.
272	Written in early Spring	..	..	Wordsworth.
278	The world is too much with us	..	..	do
288	Music, when soft voices die	..	..	Shelley.
289	I strove with none for none was worth my strife	..	..	Landor.
292	To Robert Browning	..	..	do
293	Proud word you never spoke	..	..	do
294	Well I remember how you smiled	..	..	do
300	A Jacobite's Epitaph	..	..	Macaulay.
304	The Nameless one	..	..	Mangan.
310	What I can give thee back O Liberal	..	..	Browning.
312	If thou must love me let it be for naught	..	..	do
313	How do I love thee? Let me count the ways	..	..	do
317	Children	..	..	Longfellow.
325	Break, Break, Break	..	..	Tennyson.
334	Come into the garden, Maud	..	..	do
335	In love, If love be love, if love be ours	..	..	do
340	The Lost Leader	..	..	Browning.
341	Home thoughts from abroad	..	..	do
342	Home thoughts from the Sea	..	..	do
344	A woman's last word	..	..	do
347	Porphyria's Lover	..	..	do
348	Rabbi Ben Ezra	..	..	do
365	Shakespeare	..	..	Arnold.
369	Philomela	..	..	do
370	Requiescat	..	..	do
373	Mimnermus in Church	..	..	W. J. Cory.

374	Heraclitus	..	..	do
377	The Toys	..	..	C. Patmore.
381	Song	..	..	Rossetti.
382	Remember	..	..	do
392	Itylus	..	..	Swinburne.
394	A Forsaken Garden	..	..	do
397	Out of the night that covers me	..	..	Henley.
402	Gird on thy Sword	..	..	Robert Bridges.
404	Nightingales	..	..	do
405	In Memoriam F. A. S.	..	..	R. L. Stevenson.
413	The Lake Isle of Innisfree..	..	..	Yeats.
414	The folly of being Comforted	..	..	do
419	For the Fallen	..	..	L. Binyon.
424	Sea-Fever	..	..	John Masefield.
429	After Ronsard	..	..	Charles. Williams.
430	The Soldier	..	..	Rupert Brooke.

## II. *Detailed Prose*:—

- (a) Twentieth Century Essays and Addresses, edited by W. A. J. Archbold (Longman's) omitting the following:—

VII. Austin Dobson—The Garden Riots.

X. Richard Aldington—The Art of Poetry.

XII. John Charter Collins—Edmund Burke.

XIV. Augustine Birrell—Sir Robert Peel.

- (b) Specimens of Modern English Prose (Oxford University Press) (omitting Newman, Harrison and Galsworthy).

## III. *Non-Detailed*:—

1. Boswell and Johnson (The King's Treasures of Literature Series. Dent and Sons).
2. The Living Past by F. S. Marvin (Oxford University Press). (for 1345 F.) J. S. Hoyland's History of Civilization (Latest Special Edition for Muslim University) for 1346 F.)
3. Sheridan's The School for Scandal, edited by G. B. Boas (Edward Arnold or Macmillan's Classics)

## IV. *English Literature*:—

1. Stopford A. Brooke's Primer of English Literature. Macmillan, 1928 or later edition.

2. Outline History of English Literature by W. H. Hudson  
(G. Bell & Sons, 1930 or later edition).

1347—1348 F. (1938—1939).

I. *Detailed Poetry* :—

- (a) Shakespeare—The Tempest.  
(b) Selections from Palgrave's Golden Treasury, same as  
for 1345—1346 F. (1936—1937).

II. *Detailed Prose* :—

- (a) Selections from Twentieth Century Addresses by Dickinson and Diwanchand Sharma, (Macmillan) omitting the following :—  
(1) Jargon by Sir A. Quiller Couch pp. 97-117.  
(2) The University—the Nation by Sir Asutosh Mookerjee pp. 118-133.  
(3) Truth and Politics by the Rt. Hon. Stanley Baldwin pp. 134-149.  
(b) Selections from Ideals and Realities, edited by Prof. Diwan Chand Sharma (Oxford University Press), omitting the following :—  
(1) The Value of Philosophy by Lord Russell pp. 117-124.  
(2) A critical credo by J. Middleton Murray pp. 125-134.  
(3) Education through the senses by John Brown pp. 155-164.

III. *Non-Detailed* :—

- (1) Brief History of Civilisation by J. S. Hoyland (Latest special edition for Muslim University).  
(2) Boswell and Johnson (The Kings' Treasuries of Literature series Dent & Sons).  
(3) Sheridan's "The School for Scandal", edited by G. B. Boas, (Edward Arnold or Macmillan's Classics).

IV. *English Literature* :—

Same as for 1345—1346 F.

1345—1346 F. (1936--1937).

الف - نثر - (۱) پارہ عم نصف آخر

(۲) مقامات الحریری۔ خطبہ اور مقامات ۲-۱۴-۱۷-۲۱-۳۶-۴۶

(۳) البخلاء للجا حظ تا قصۃ محمد بن ابی المؤمل صفحہ (۱۰۰)

مطبوعہ مصر

ب - نظم - (۱) دیوان الحماسہ - باب الحماسہ ابتدائی (۳۰۰) اشعار

باب المرائی ابتدائی (۱۵۰) اشعار

باب التسیب ابتدائی (۱۵۰) اشعار

(۲) سبع معلقات - امرؤ القیس - زہیر - عمرو بن کلثوم

(۳) متنبی - حسب ذیل (۶) قصائد

(۱) لكل امرء من دهره ماتعودا - الخ

(۲) علی قدراهل العزم تأتي العزائم - الخ

(۳) عدوك مذموم بكل لسان - الخ

(۴) اريقك اماء الغمامه ام نحر - الخ

(۵) لای صروف الدهر فيه تعاقب - الخ

(۶) انامتك بين فضائل ومكارم - الخ

ج - مطالعہ سرسری کے لئے

العبرات مصنفہ مصطفیٰ لطفی منقلوطی (مصر) تا مضمون "الحزاء"

د - عروض و قافیہ و بلاغت (معانی، بیان و بدیع)

علم الادب مصنفہ لويس شيخو (حصہ اول) منتخبات

ه - صرف و نحو

کتاب النحو الواضح فی قواعد اللغة العربیہ للدارس الثانویہ

الحزوالاول والثانی والثالث

ہدایت :- (۱) اصلی قواعد کے مباحث و تمرینات کو اساتذہ اردو میں

سمجھا ئینگے -

(۲) کتب مطالعہ سرسری کا امتحان ترجمہ و قواعد کے ساتھ ہوگا۔

و۔ تاریخ ادب۔ حسب ذیل کتاب کے مطالعہ کی سفارش کی جاتی ہے۔  
عربك لثريچر (ادب عربی) ایچ۔ اے آرگب (مطبوعہ جامعہ آکسفورڈ)

1347—1348 F. (1938—1939).

(الف) نثر۔ حسب نصاب سنہ ۱۳۴۵ و ۱۳۴۶ ف

(ب) نظم۔ (۱) الحماسہ۔ باب الحماسہ ابتداء سے (۲۰۰) اشعار

باب المراثی ابتدائی (۱۵۰) اشعار

باب النسیب ابتدائی (۱۵۰) اشعار

(۲) سبع معلمات۔ امرء القیس۔ زہیر۔ عمرو بن کلثوم

(۳) دیوان المتنی۔ حسب ذیل چھ قصائد :-

(۱) فديناك من ربيع وان زدتنا كربا

(۲) اغالب فيك الشوق والشوق اغلب

(۳) عواذل ذات الحال في حواسد

(۴) كم قتيل كما قتلت شهيد

(۵) الحزن يقلق والتجمل يورع

(۶) ملو كما يجل عن الملام

(۴) الشعراء الثلاثة شوقي۔ دطران حافظ۔ تالیف حسن السندوبی

(مطبوعة المكتبة التجارية بمصر) میں سے احمد شوقی بك اور

حافظ بك ابراہیم کے۔ مندرجہ ذیل قصائد :-

(۱) آية العصر في سماء مصر۔

(۲) شهادة العلم والغربة۔

(۳) توت۔ انخ۔ امون۔

(۴) قننه الاستانته۔

(۵) الام مدرسة۔

(۶) من حافظ الى شوقي۔

(ج) مطالعہ سرسری کے لئے - ماجدولین للنفلوطی از ابتدا تا باب ( ۶۱ )  
البيت الجديد ( ۱۵۰ ) صفحہ

(د) عروض وقافیہ و بلاغت (دعائی و بیان و بدیع )

\*مجموع الادب لنا صیف الیازجی

(هـ) صرف نحو

\* کتاب النحو الواضح فی قواعد اللغة العربیہ للدارس الثانویة  
الجزء الاول والثانی والثالث

ہدایت - اصلی قواعد کے مباحث و تمرینات کو اساتذہ اردو میں  
سمجھائینگے -

(و) تاریخ ادب - حسب ذیل کتابوں کے مطالعہ کی سفارش  
کیجاتی ہے -

(۱) \* تاریخ الادب العربی مصنفہ استاذ احمد حسن الزیات

(۲) عربك لیر یچر (ادب عربی) ایچ اے - آر - گب ( مطبوعہ  
جامعہ آکسفورڈ )

کتب مطالعہ سرسری کا امتحان ترجمہ و قواعد کے ساتھ ہوگا -

نوٹ - جن کتب پر \* ہے وہ مندرجہ ذیل پتہ سے دستیاب  
ہو سکتے ہیں :-

The ARABIC LIBRARY & CO,

Orient Hotel Building

Opposite Crawford Market,

BOMBAY (3)

## SANSKRIT.

1345—1346 F. (1936—1937).

*Prose :—*

1. Venisamlar Natak, edited by Kale.
2. Ishopanishad.
3. History of Sanskrit Literature by C. V. Vaidya, Ist three chapters and chapters XII, XIII and XIV.
4. Kadambari Sara by Apte, first 30 pages.

*Poetry :—*

5. Rigveda Selections. Hymns I to V, (Bombay Sanskrit Series, XXXVI Peterson's Edition).
6. Kavya Prakasha of Mammata by P. P. Joshi, (The Oriental Publishing Co., Girgaon, Bombay) chapter on Arthalankar.
7. Tarka Sangraha by Annam Bhatta.

*Grammar and Translation :—*

8. Apte's Guide to Sanskrit Composition, the 1st 20 Lessons together with 29th and 30th Lessons.  
1347—1348 F. (1938—1939).

*Prose :—*

1. Uttararama Charita by Bhavabhuti, Kane's edition.
2. Ishopanishad.
3. History of Sanskrit Literature by A. B. Kieth, Heritage of India Series.
4. Kadambari Sara by Apte, first 30 pages.

*Poetry :*

5. Rigveda Selections. Hymns I to V, (Bombay Sanskrit Series, XXXVI Peterson's Edition).
6. Sahitya Darpana Arthalankar, by Viswanath, Edited by Kane.
7. Tarka Sangraha by Annam Bhatta.

*Grammar and Translation : --*

8. Apte's Guide to Sanskrit Composition, the 1st 20 Lessons together with 29th and 30th Lessons.

*N.B.*—All the books can be had of the Manager Oriental Publishing Company Shukrewar, Poona, No. 2.

## 2. PERSIAN.

1345—1346 F. (1936—1937).

(الف) (۱) نظم - فراتد فارسی مرتبہ ڈاکٹر محمد نظام الدین مطبوعہ  
اعظم اسٹیم پریس کے مندرجہ ذیل انتخابات -

(۱) قصیدہ -

انوری -

- (۱) این کہ می بینم به بیدار یست یارب یا بخواب  
(۳) ای ترک می بیار که عیدست و بهمن ست  
(۷) خوشا نواحی بغداد جائے فضل و هنر  
(۸) جرم خورشید جواز حوت در آمد بمل

ظہیر فارابی -

- (۱۴) شرح غم تولدت شادی بجاں دھد  
(۱۶) سپیدہ دم چو شدم محرم سرای سرور  
(۱۸) ز خواب خوش چو برا نگیزخت عزم پیدائش

سلمان ساوجی -

- (۲۱) آب آتش رنگ دہ ساقی کہ می بخشد صفا  
(۲۶) صبح ظفر از مشرق امید بر آمد  
(۲۸) بدل رسید سحر گاہ در مقام حضور

قاتی -

- (۳۴) بہار آمد کہ از گلبن ہمی بانگ ہزار آید  
(۳۵) ساقی بدہ رطل گراں زان می کہ دھقان پرورد  
(۴۰) عیدست و ساقی در قدح صہبا زمینار یختہ

(۲) مثنویات ، سکندر نامہ نظامی و شاہنامہ فردوسی و مثنوی

مولانا روم . فراتد فارسی ۱۵۱-۱۹۶-۱۹۹-۲۰۱

باستثنائے تفسیر قول حکیم سنائی -



(۳) غزلیات -

مولانا روم -

- (۱) اگر تو عاشق عشقی و عشق را جو یا
- (۳) چمنی که تا قیامت گل او بهار بادا
- (۵) هر نفس آواز عشق بپرسد از چپ و راست
- (۶) چه لوهری که کسی را بکف بهائے تو نیست
- (۷) آن روح را که عشق حقیقی شعار نیست
- (۹) مرا عقیق تو باید شکر چه سود کند
- (۱۳) چه تدبیر ای مسلمانان که من خود را نمی دانم
- (۱۴) برخیز تا شراب بر ملل و سیمو خوریم
- (۱۵) باروی تو سبزه و گلزار فارغیم
- (۱۷) هر نگ جماعت شو تا لذت جان بینی

عراق -

- (۲۲) ز خواب نرگس مست. تو سر لراں برخواست
- (۲۳) ساز طرب عشق که داند که چه سازست
- (۲۴) در کوی خرابات کسی را که نیازست
- (۲۶) من مست می عشقم هشیار نخواهم شد
- (۲۷) نخستین باده کاندرا جام کردند
- (۳۳) ز دل جانان غم عشقت رها کردن توان نتوان
- (۳۴) ای دل و جان عاشقان شیفته جمال تو
- (۳۵) در صومعه نه گنج درند شراب خانه
- (۳۶) ای جماعت برقع از رخ ناکهان انداخته

جامی -

- (۴) یا من بداجالک فی کل ما بدا
- (۴۳) چه بخت بود که ناگه بسر رسید مرا
- (۴۶) برکش اے صوفی ز سر این خرقه سالوس را
- (۴۷) ساقی بیا که دور فلک شد بکام ما
- (۴۸) بام بر آ و جلوه ده ماه تمام خویش را

- (۴۹) خوبان هزار و از همه مقصود من یک است  
 (۵۷) کردش جام که زد صنع ازل بر کارش  
 (۵۸) سبزه شبر انگ و جعد و شکار خویش بین  
 (۶۹) هر لحظه جمال خود نوعی دیگر آرائی  
 (۶۰) دل بردن من فتنه گری عشوه نمائی

### هلالی -

- (۶۱) دن کیستم تا هر زده ان ییش نظر بینم ترا  
 (۶۲) گری تو بینم یک نظر بر جانب گلزارها  
 (۶۳) ابن همه لاله که سر بر زده خاک - نیست  
 (۶۵) چه غم گر در سرم تو ریست از سودای گیسویت  
 (۶۶) از حال دل و دیده پرسید که چون شد  
 (۷۰) غمی بگز در د و عشقت بر دل ناشاد می آید  
 (۷۳) یارب غم بیرحمی جان بکه گویم  
 (۷۴) بیار دے بیو فاعمری وفا کردم ندانستم  
 (۷۶) خوش آن مجلس که چون رخسارت از می لاله گون بینم  
 (۸۰) است و سلیمان گرفتارم بدست کافری

### (ب) حصه نثر -

- رقعات ابو الفضل دقتر اول مطبوعه اعظم اسٹیم پریس  
 حیدرآباد دکن کے مندرجہ ذیل رقعات -  
 (۱) خطاب جلال الدین محمد اکبر بادشاہ بعد اللہ خاں اوزبک  
 سپہدار ملک توران  
 (۲) نامہ حضرت شاہنشاہی بعد اللہ خاں اوزبک تخت  
 نشین توران  
 (۳) نامہ حضرت شاہنشاہی بشاہ تپاس تخت نشین  
 کشور ایران  
 (۴) مفاوضہ حضرت شاہنشاہی بدانیان فرنگ

(۵) فرمان حضرت شاہنشاہی بشاہ مراد در وقت مراجعت از کشمیر

(۷) فرمان حضرت شاہنشاہی بنانخان سید سالار

(۹) دستور العدل شاہنشاہی بعاملان مالک محروسہ و تصدیان مہجات مرجوعہ

(۱۰) فرمان حضرت شاہنشاہی بہ شہباز خان کنبو

(۲) نثر اول - سہ نثر ظہوری و طبوعہ اعظم اسٹیم پریس حیدرآباد

برائے مطالعہ سرسری

(۳) سیاحت نامہ ابراہیم بیگ از ابتدا تا سیاحت طہران مطبوعہ انوار احمدی پریس آلہ آباد یا

خونہا بیہ ایران جلد اول تالیف علی اصغر خان شریف و طبوعہ طہران .

(۴) رہبر تہذیب نواز گفتار دوم سوم و چہارم و طبوعہ اعظم اسٹیم پریس صفحہ (۱-۷۷)

(۵) منتخبات فارسی نظم و نثر عصر جدید - نوٹ نظم و نثر جدید کا تازہ انتخاب اگر بر وقت شائع نہر سکے تو حسب سابق کلام عصر جدید مندرجہ فرائد فارسی و لسان العجم حصہ دوم نثر داخل نصاب دہینگے .

(ج) - روض بیان و بدیع - حدائق البلاغت

(د) تاریخ ادبیات ایران

(۱) مختصر تاریخ و جغرافیہ ایران

(۲) قرن زرین اسلام - عربی ادب و محدثوں کے کارنامے

(۳) فارسی زبان کی بناء اور سامانی دور کا ادب

(۴) غزنوی دور کا ادب

(۵) سلجوقین کے زمانہ کا ادب

- (۶) ایلخانی دور کا ادب  
 (۷) تیموری دور کا ادب  
 (۸) صفوی و مغلیہ دور کا ادب  
 (۹) قاجاری دور و مشروطیت  
 (۱۰) عصر جدید ایران (دور پہلوی)  
 حسب ذیل کتب کے مطالعہ کی سفارش کی جاتی ہے۔  
 (۱) لیوی پرشین لٹریچر (اکسفورڈ یونیورسٹی پریس)  
 (۲) اوٹلین آف پرشین لٹریچر۔ عابد حسن فرید آبادی مطبوعہ  
 رام پرشاد برادرس۔ آگرہ  
 (۳) تاریخ ادبیات ایران تالیف جلال ہمانی جلد اول مطبوعہ  
 تبریز  
 (۴) تاریخ ادبیات ایران تالیف براون۔ چارون جلدوں میں سے  
 صرف ابواب بالاکا مطالعہ اجمالی طور پر کیا جائے۔  
 (۵) ابتدائی عربی۔  
 القراءۃ الرشیدہ الجزوالاول تالیف عبدالفتاح صبری نک  
 وعلی عمر بک مطبوعہ مطبعة المعارف مصر  
 (یہ کتاب میکلن کپی سے دستیاب ہو سکتی ہے)  
 1347—1348 F. (1938—1939)  
 (الف) نظم۔ فرائد فارسی مرتبہ ڈاکٹر محمد نظام الدین صاحب  
 مطبوعہ اعظم اسٹیم پریس حیدرآباد کے مندرجہ ذیل انتخبات۔  
 (۱) قصائد۔  
 انوری۔  
 (۱) این کہ می بینم بہ بیداریست یارب یا بخواب  
 (۳) ای ترک می بیار کہ عیدست و بہمنست  
 (۷) خوشا نوا سی بغداد جائے فضل ہنر  
 (۸) جرم خوردشید چوا ز حوت در آمد بھل

ظہیر فاریابی -

- (۱۴) شرح غم تولدت شادی بجاں دھد  
(۱۵) چوں بر زمین طلیعہ شب گشت آشکار  
(۱۶) سپیدہ دم چو شدم محرم سر اے سرور

سلیمان ساوجبی -

- (۲۱) آب آتش رنگ دہ ساقی کہ می بخشد صفا  
(۲۵) درد رج در عقیق لبث تقد جان نہاد  
(۲۸) بدل رسید سحر گاہ در مقام حضور

قائمی -

- (۳۴) بہار آمد کہ از گلبن ہمی بانگ ہزار آید  
(۳۵) ساقی بدہ رطل گراں زان می کہ دھقان پرورد  
(۳۷) دلکا ہیچ خبر داری کان ترک پسر

(۲) مثنویات - سکندر نامہ نظامی و شاہ نامہ فردوسی ، و مثنوی

مولانا روم ( فرائد فارسی صفحات ۱۵۱-۱۹۶-۱۹۹-۲۰۱ )  
باستثنا مے تفسیر قول حکیم سنائی

(۳) عزلیات -

مولانا روم -

- (۱) اگر تو عاشق عشقی و عشق را جو یا  
(۶) چہ لو ہر مے کہ کسے را بکف بہای تو نیست  
(۷) آن روح را کہ عشق حقیقی شعار نیست  
(۸) بنامے رخ باغ و گلستانم آرزوست  
(۹) مرا عقیق تو با ید شکر چہ سود کند  
(۱۱) درخت اگر متحرک بدے بہ پای و بہ پر  
(۱۲) منم آن نیاز مندے کہ بتو نیاز دارم  
(۱۳) چہ تدبیر ای مسلمانان کہ من خود را نمی دانم

(۱۴) بر خیز تا شراب بر طل و سبو خوریم  
(۱۵) باروی تو ز سبزه گلزار فارغیم

عراقی -

(۲۲) ز خواب نرگس تو هست تو سرگران برخواست  
(۲۳) در کوی خرابات کسی را که نیاز است  
(۲۶) من هستم نشستم هشیار نخواهم شد  
(۲۷) نخستین باده کاندرا جام کردند  
(۲۹) کردم گزرم به میکده دوش  
(۳۰) خیزید عاشقان نفس شور و شر کنیم  
(۳۳) ز دل جانان غم عشقت رها کردن توان نتوان  
(۳۴) ای دل و جان عاشقان شیفته جمال تو  
(۳۷) بشماره قلندر بن ارحیف مائی  
(۴۰) ای زغم فراق تو جان مرا شکایتی

جامی :-

(۴۳) چه بخت بود که ناگه بسر رسید مرا  
(۴۴) بر کش ای صوفی ز سر این خرقة سالوس را  
(۴۸) بام بر آ و جلوه ده ماه تمام خویش را  
(۴۹) خوابان هزار و از همه مقصود من یک است  
(۵۰) توئی که درد و نعمت یار ناگزیر من هست  
(۵۴) ترا چو مشک ترا از برگ یا خیزد  
(۵۷) گردش جام که زد صنع ازل پر کارش  
(۵۸) سبزه شیرنگ و جعد مشکبار خویش بین  
(۵۹) هر لحظه جمال خود نوعی دیگر آرائی  
(۶۰) دل برد ز من فتنه گر می عشوه نما می

هلالی :-

(۶۱) کیستم تا هر زمان پیش نظربینم ترا  
(۶۲) گری تو بینم یک نظر بر جانم گلزارها  
(۶۳) این همه لاله که سر بر زده از خاک منست

- (۶۵) چه غم گر در سرم شور یست از سودای گیسویت  
 (۶۶) از حال دل و دیده می رسید که چون شد  
 (۷۰) نمی کز در دو عشقت بر دل نا شادی آید  
 (۷۳) یارب پیر حمی جانان بکه گویم  
 (۷۴) بیارم بیوفا عمرم وفا کردم ندانستم  
 (۷۶) خوش آن مجاس که چو رخسارت از می لاله گون بینم  
 (۸۰) اے مسلمانان گرفتارم بدست کافری

(ب) حصہ نثر -

- (۱) رقعات ابو الفضل دفتر اول فرائد فارسی مطبوعہ اعظم اسٹیم پریس حیدرآباد کے مندرجہ ذیل رقعات :-  
 ۲ - نامہ حضرت شاہنشاہی بعد اللہ خان اوزبک تخت نشین توران  
 ۳ - نامہ حضرت شاہنشاہی بشاہ عباس تخت نشین کشور ایران  
 ۴ - مفاوضہ حضرت شاہنشاہی بدایان و رنگ  
 ۵ - فرمان حضرت شاہنشاہی بشاہ مراد در وقت مراجعت از کشمیر  
 ۷ - فرمان حضرت شاہنشاہی بخانخان سپہ سالار  
 ۹ - دستور العمل حضرت شاہنشاہی بعاملان ممالک محروسہ و متصدیان مہمات مرجوعہ  
 ۱۰ - فرمان حضرت شاہنشاہی بہ شہباز خان کنبو  
 (۲) سہ نثر ظہوری نثر اول ، فرائد فارسی مطبوعہ اعظم اسٹیم پریس حیدرآباد دکن  
 (۳) رہبر نثر ادنواز گفتار دوم - سوم و پنجم فرائد فارسی مطبوعہ اعظم اسٹیم پریس

(۴) مطالعہ سرسری

سیاحت نامہ ابراہیم بیگ از ابتدا تا سیاحت طہران  
مطبوعہ انوار احمدی پریس الفآباد یا  
خونہای ایران جلد اول تألیف علی اصغر خان شریف  
مطبوعہ طہران

(۵) منتخبات فارسی نظم و نثر عصر جدید  
نوٹ - "محاورہ ایران" حصہ دوم زیر طبع ہے اور ہر وقت شائع  
ہو سکے تو حسب سابق کلام عصر جدید ہندرجہ فرائد  
فارسی باستثنائے عنوانات ذیل -

(۱) مسدس حسین دانش، دروادی فکر ت بودیک شب  
دل دن حیران

(۳) غزل میرزا حبیب اصفہانی، دیشب برقص برخاست آن  
فتنہ نشسته

(۴) غزل دلمک الشعرا بہار شہدی، آمد زکوی بلقیس آن  
ہد ہر خجستہ اور لسان العجم (حصہ دوم نثر) داخل نصاب  
رہینگے۔

عروض و ادبیات ایران و ابتدائی عربی حسب نصاب ۱۳۴۵ و  
۱۳۴۶ء

### 3. URDU.

1345—1346 F. (1938—1939).

الف - برائے مطالعہ تفصیلی

یادگار غالب - حالی حصہ اردو  
۲ ادبی خطوط غالب - سرتبہ مرزا محمد عسکری  
۳ ہمدان عبدالحق - حصہ اول سرتبہ مرزا محمد بیگ  
از صفحہ ۲۱۱ تا ۲۰۹

ب - برائے مطالعہ سرسری۔

۱۔ شرقی تمدن کا آخری نمونہ - شرر



ج - تنقید -

۱ مقدمہ شعر و شاعری - حالی

۲ موازنہ انیس و دیر - شبلی

تاریخ زبان و ادب -

حسب ذیل کتب کی سفارش کی جاتی ہے -

آب حیات - آزاد

تاریخ ادب اردو - رام بابو سکسینہ مترجمہ عسکری

لنگوسٹک سروے آف انڈیا جلد نہم

لکچر موضوعات ذیل کے ابتدائی معلومات پر ہوں گے -

۱ ہندوستان کی زبانیں - آریائی - غیر آریائی

۲ ہندوستانی ادب کا آغاز و ارتقاء

۳ ۱۱ گجرات میں - دکن میں

۴ ۱۱ اورنگ زیب کے بعد

۵ ۱۱ انگریزوں سے پہلے

۶ ۱۱ عہد حاضرہ

نظم -

۱ انتخاب کلام میر مولفہ مولوی عبدالحق صاحب

۲ دیوان غالب بحذف غزلیات شریک نصاب امتحان  
انٹر میڈیٹ

۳ باننگ در احصہ اول - اقبال

۴ مثنوی - میر حسن

۵ قصائد ذوق - مرتبہ ڈاکٹر سر شاہ محمد سلیمان

صرف حسب ذیل ۹ قصائد -

۱ واہ وا کیا معتدل ہے باغ عالم کی ہوا

۲ زہے نشاط اگر کیجئے اسے تحریر

- ۳ ہیں میری آنکھوں میں اشکوں کے تماشا گوھر  
 ۴ ہے وہ جانداروئے مے نافع اعضاء و حواس  
 ۵ ہے آج جو یوں خوشنما نور سحر رنگ شفق  
 ۶ طرب افضا ہے وہ نوروز کا نارنجی رنگ  
 ۷ حبذا ساق فرخ رخ و خورشید جمال  
 ۸ لاتا نیرنگ سے ہے رنگ نئے چرخ مجمل  
 ۹ پائے نہ ایسا ایک بھی دن خوشتر آسمان

عروض و بیان و بدیع۔

نجم البلاغت۔ نجم الغنی راہ پوری

ہندی بہاشا۔

نثر۔ کلام بری انڈین پریس الہ آباد

نظم۔ بہاشا سار سنگرہ حصہ اول حصہ نظم

از ۹۳ تا ۱۲۳ صفحات انڈین پریس الہ آباد

1347—1348 H. (1938—1939).

الف۔ برائے مطالعہ تفصیلی

حالی۔ یادگار غالب حصہ اردو

۲ غالب۔ ادبی خطوط غالب مرتبہ مرزا محمد عسکری

۳ عبدالحق۔ چند ہم عصر

ب۔ برائے مطالعہ سرسری۔

شرر۔ مشرق تمدن کا آخری نمونہ

ج۔ تنقید۔

۱ حالی۔ مقدمہ شعر و شاعری

۲ شبلی۔ موازنہ انیس و دہر۔

۳ کیفی منشورات

(د) تاریخ زبان و ادب -

آزاد - آب حیات

رام بابو سکسینہ - تاریخ ادب اردو (اردو اڈیشن)  
ڈاکٹر گریم ہیل - این لٹریچر اوٹ لائن آف اردو لٹریچر  
لنگوسٹک سروے آف انڈیا جلد نہم

نظم -

- ۱ - میر - انتخاب کلام میر مولفہ مولوی عبدالحق صاحب  
بحذف مثنویات
- ۲ - غالب - دیوان غالب بحذف غزلیات شریک نصاب امتحان  
انٹرمیڈیٹ
- ۳ - اقبال بانگ درا حصہ دوم و سوم بحذف غزلیات
- ۴ - میر حسن - سحرالبیان
- ۵ - قصائد ذوق - مرتبہ ڈاکٹر سرشاہ محمد سلیمان  
صرف حسب ذیل ۴ قصائد :-  
۱ - واہ وا کیا معتدل ہے باغ عالم کی ہوا  
۲ - زہے نشاط اگر کیجئے اسے تحریر  
۳ - ہیں میری آنکھوں میں اشکوں کے تماشا گوھر  
۴ - پامے نہ ایسا ایک بھی دن خوشتر آسمان

عروض و بیان و بدیع -

نجم الغنی رامپوری - نجم البلاغت

ہندی بہاشا -

نثر - کادم بری ابتدائی ۶۰ صفحہ انڈین پریس الہ آباد  
نظم - بہاشا سرسنگر حصہ اول حصہ نظم  
از ۳۳ تا ۱۲۳ صفحات انڈین پریس الہ آباد

## MARATHI.

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*Prose* :—(1) Hindu Dharma and Sudharma Purvardha by Mahadeo Shivaram Gole, Maharashtra Publishing House, Poona, edition 1927.

(2) Gadya Guchha, Part 1 by N. C. Kelkar, Publisher the same as above.

(3) Fiction—Niranjana by N. S. Phadke Publisher Anant Sakharan Gokhale Vijaya Press, Poona 2.

*Literature* :—(4) Shaheer.

*Books recommended-*

(1) Maharashtra Sanskrit by Bhawe.

(2) Marathi Shaheer by Varde.

(3) Kelkar's Introductions to Aitihasika Powade.

*Poetry* :—(1) Sampradaya parimal by Niranjana Madhava, Edited by L. R. Pangarkar, New Kitabkhana, Poona.

(2) Keshav Sutachi Kavita—Poems 61 to 126 (both inclusive) Pages 85—186, Arya Bhushan Press, Poona.

(3) Abhinava Kavya Prakasha, Chapter 10 to 11, by Prof. R. S. Jog, New Kitabkhana, Poona.

1347—1348 F. (1938—1939).

*Detailed* :—

*Prose*.—Dharma Shashtra Vichar by P. V. Kane. Pages 65 to 112, 142—156, 260—277, Parechur Puranik & Co., Bombay 4.

*Poetry* :—(1) Yashodhan by Yashawant, Pages 1 to 60. Parechur Puranik & Co., Bombay 4.

(2) Uddhvageeta of Bhaskarkavi, pages 1—32. Edited by V. P. Kolte. Mudholkar's Bungalow Camp, Amraoti.

*Literature*.—(1) Maharashtra Sanskrit, Part I. Edition III (Pages 55 to 113). (Mahanubhav).

(2) Arwacheen Marathi Vangmayya Sevak by  
H. D. Khanolkar. The following authors only.

- (1) Agarkar Gopal Ganesh.
- (2) Apte Hari Narayan.
- (3) Karandikar Vinayak.
- (4) Khare Vasudeo Vaman.
- (5) Ghatge Dattatraya Kondo.
- (6) Krishna Shastri Chiplunkar.

*Non-Detailed*.—Ulka by V. S. Khandekar.

*Rhetoric*.—Abhinava Kavya Prakasha chapter 10—11 by R. S.  
Jog, New Kitab-khana, Poona.

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*Poetry*.—Madras University, B.A. Examination, Telugu Selections.

Vol. I Selection No. 1, Page 1, Verses 124.

Vol. II Selection No. VII, Page 164, Verses 45.

Selection No. XIV, Page 336, Verses 96.

Selection No. XVI, Page 359, Verses 78.

Selection No. XVII, Page 369, Verses 56.

*Prose*.—(1) Adidam Surakavi by A. Rama Rao.

(2) Prayashchittam by Tagore, (Macmillan).

(3) Andhra Desa and Foreign Travellers by B. V.  
Krishna Rao, B.A., B.L.

*Drama*.—Same as for 1345—1346 F.

*Rhetoric*.—Narasa Bhoopaliyam, V. Asvasam.

*History of Literature*.—From Nannaya Bhatt up to Allasani  
Peddanna.

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*Poetry*.—Same as for 1345—1346 F. (1936—1937).

*Prose*.—(1) Sakshi, Vol. I. by Panugantinarasimha Rao Pittapuram.

(2) Prema Sundari Saraswati Grandha Mandali, Rajamandhry.

(3) Karna Sanurajyam by Chilukuri Veerabhadra Rao, Kovvur, Godawari.

*Drama*.—Same as for 1345—1346 F.

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*History of Literature*.—Same as for 1345—1346 F.

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1345—1348 F. (1936—1939).

*Prose*.—(Classical)—Ramashwamedham by Muddanna, Ashwasas 12 to 16 both inclusive.

(Modern)—Bhakti Bhandara Basavannanavaruru by M. R. Srinivasa Moorthy. Karnata Sangha Central College, Bangalore.

*Drama*.—Namna Samaja by C. K. Venkatramayya. Duta Vakayam by Kadabada. Nanjunda Shastri Sahitya Parishat Edition.

*Poetry*.—(Classical)—Gadayuddha by Ranna, Edited by A. Ramanuja Iyengar, Ashwasas 3rd to 5th and 9 verses in 6th. Kadambari Sangraha up to page 75, Edited by the Mysore University.

(Modern)—English Hitegalur (Nos. 1, 6, 8, 19, 21, 22, 62 and 63) by B. M. Srikanthia.

*Criticism*.—Books for consultation—

(1) Vimarse Part 1, } by N. Venkatesh Iyengar.

(2) Sahitya.

(3) Muddana. Karnata Sangha Central College, Bangalore Edition.

*Grammar*.—Rhetoric and Prosody—

Kannada Kaipidi, Sabdamani Darpana. Kavyavalokana, Narasimha Raja Karnataka Chandorajam.

*Literature*.—Karnataka Kavi Charite by R. Narsimhaachar, Vol. I, 12th Century Authors.

## MATHEMATICS.

- (1) Higher Algebra by Hall and Knight, (Osmania University Series).
- (2) Plane Trigonometry by Loney, Part II, (Osmania University Series).
- (3) Co-ordinate Geometry by Grace and Rosenberg, (Osmania University Series) or Smith's Analytical Conics.
- (4) An Elementary Treatise on the Calculus by Gibson, (Osmania University Series).
- (5) Chapters on Differential Equations from Edward's Integral Calculus, (Osmania University Series) or Piaggios, Differential Equations.

## Applied Mathematics:—

- (1) Elements of Statics by Loney, (Osmania University Series).
- (2) Elements of Dynamics by Loney (Osmania University Series).
- (3) Elements of Hydrostatics by Loney, (Osmania University Series).
- (4) Elements of Astronomy by Parker, (Osmania University Series).

## HISTORY.

1345—1346 F. (1936—1937).

*Paper I.*—General Historical Essay.*Paper II.*—Political Science.

Leacock: Elements of Political Science, (Osmania University Series).

(Gettel: Introduction to Political Science.

(Garner: Elements of Political Science.

(Gilechrist: Principles of Political Science.

Pollock: History of the Science of Politics, (Osmania University Series).

Jenks: History of Politics, (Osmania University Series).

*Paper III.*—(i) Economics.

Indian Economics by Prof. Md. Elias Burney. Usul-i-Maashiyat by Prof. Md. Elias Burney (Osmania University Series).

(ii) Sociology

Books to be prescribed later.

*Paper IV.*—History of India.(i) *Ancient up to 1206.*

1. Early History of India by V. G. Smith (4th Edition).

2. Ancient India by S. K. Aiyangar.

3. A Peep into the Early History of India by R. G. Bhandarkar.
4. Asoka by R. Mukerjee.
5. Harsha by R. Mukerjee.

(ii) *Medieval Period 1206—1765.*

1. Tarikh-i-Farishtha.
2. Darbar-i-Akhari (Azad).
3. Sher Shah (Qanungo).
4. Jehangir (Beni Prasad).
5. Aurangzebe (Shibli).
6. Sivaji and His Times (Sarkar).
7. The Army of the Mughals (Irvine).

(iii) *Modern Period 1765 to the present day.*

1. Political History of India (Malcolm).
2. Making of India (Ramsay Muir).
3. Rise and Expansion of the British Dominions in India (Lyall).
4. The Development of Indian Policy (Anderson and Subedar).
5. The Political Development of British India (Horne).
6. Simon Report, Vol. I.

*Paper V.—*

(a) *History of the Deccan.*

(i) *Ancient up to 1206.*

1. Cambridge History of India, (Chapter on the History of the Deccan).
2. Early History of the Deccan by R. G. Bhandarkar.

(ii) *Medieval 1206-1765. (Deccan).*

1. South India and her Muhammadan Invaders (Iyengar).
2. Landmarks of the Deccan (Haig).
3. History of the Deccan, Vol. I (Gribble).

(iii) *Modern—1765.*

1. Malcolm's Central India.
2. History of the Mahrattas (Grant Duff)-(Chapters dealing with the period from 1784—1818).
3. The Working of His Exalted Highness the Nizam's Government (Historical and Constitutional aspects). (Government Publication.)



(b) *Cultural History.*(i) *Ancient upto 1206.*

1. India by Grousset, (Chapter I) or V. A. Smith's "A History of Fine Arts in India" (Chapters II, III and VI).
2. Asoka by Mukerji (3) Harsha by Mukerji.

(ii) *Medieval 1206--1765.*

1. India by Grousset, (Chapter III) or V. A. Smith's A History of Fine Arts in India (Chapters II, IX and XV).
2. Indian Islam by Titus.

Muslim Architecture in India—under Translation of Pergueson (O.U. Series).

(iii) *Modern 1765 up to the present day.*

1. Topa: The Growth and Development of National Thought in India.
2. Farquhar: Modern Religious Movements in India.

(c) *Constitutional History of Modern India.*

The subject should be studied in such books as—  
Horne: Political System of British India.

*Paper VI.—*(1) *Islamic History:—*

The Prophet and the 1st four Caliphs (for 1936 and 1937).

- (۱) سیرۃ النبی - مولانا شبلی
- (۲) رحمۃ للعالمین - مولانا سلیمان منصور پوری
- (۳) سیرۃ الصدیق مولانا حبیب الرحمن خان شروانی
- (۴) الفاروق - مولانا شبلی
- (۵) تاریخ اسلام - مولانا شرر - (دارالترجمہ)
- (۶) ابن اثیر کا اردو ترجمہ ( )
- (۷) طبری کا اردو ترجمہ ( )
- (۸) جغرافیہ خلافت مشرقی - مصنفہ لی - اسٹریٹج - (دارالترجمہ)

## (2) European History 1815 onwards (for 1936 &amp; 1937).

1. A History of Europe by Marriott (1815—1923).
2. A History of Modern Europe, Vols. II and III by Pyffe. (Osmania University Series).
3. Contemporary Europe and Overseas by Mowat.

## (3) English Constitutional History.

Chambers: Constitutional History of England (Osmania University Series).

Adams: Constitutional History of England.

## (4) Cultural History of India.

1. Farquhar—Outline of the Religious Literature in India.
2. Grousset—India.
3. Titus—Indian Islam.
4. Topa—Growth and Development of National Thought in India.
5. Macdonnal—India's Past.

1347—1348 F. (1938—1939).

*Paper I.*—General Historical Essay.

*Paper II.*—History of India.

Same as under Paper IV for 1345 & 1346 F.

*Paper III.*—Same as paper V for 1345 & 1346 F.

*Paper IV.*—

(a) Islamic History:—

“Omayyades—(Eastern)

The following books are recommended:—

1. عمرو بن عبد العزيز مصنفه عبد السلام ندوی
2. Wellhausen, Arab Kingdom and its Fall.
3. Khuda Bakhsh, The Orient under the Caliphs.
4. Khuda Bakhsh, Contributions to Islamic Civilization.
5. Caliphate, its rise, decline and fall.
6. تاریخ الامت (حصہ بنی-امیہ) مصنفہ اسلم جیراجپوری
7. T. W. Arnold, the Caliphate.

(b) European History 1815 onwards.—  
Same as for 1345 & 1346 F.

(c) English Constitutional History:—  
Same as for 1345 & 1346 F.

(d) Cultural History:—  
Same as for 1345 & 1346 F.

*Paper V.*—Same as Paper II for 1345 & 1346 F.

*Paper VI.*—Same as Paper III for 1345 & 1346 F.

### ECONOMICS.

*Paper I.*—Taussig—Principles of Economics, 2 volumes.

*Paper II.*—Withers—Meaning of Money.

Barrett Whale—International Trade.

Prof. Burney's Maishatul Hind—Chaps 11–14.

*Paper III.*—(a) Vera Anstey—The Economic Development of India.

(b) Knowles—Industrial and Commercial Revolutions in the 19th Century.

*Paper IV & V.*—Jathar and Beri—Indian Economics --Vols. I and II.

*Paper VI.*—McIver—Society, its Structure and Changes.

Books recommended for reference.

*Paper I.*—Marshall—Principles of Economics.

Robins—The Nature and Significance of Economic Science.

*Paper II.*—T. B. Gregory—The Gold standard and its Future.

Report of the Hilton Young Indian Currency Commission, 1926. Report of the Central Banking Enquiry Committee. Report of the Hyderabad Banking Enquiry Committee.

*Paper III.*—R. C. Dutt—Economic History of India, 2 Vols.

Moreland—India at the Death of Akbar.

Moreland—From Akbar to Aurangzeb.

Townsend Warner—Landmarks in English Industrial History.

*Paper IV.*—1. Report of the Indian Agricultural Commission 1928.

2. Report of the Maelagan Committee on Co-operation. (Urdu Translation)

3. Charles Gide's speeches on Co-operation (Urdu Translation)

*Paper V.*—Report of the Indian Industrial Commission 1918.  
 Report of the Indian Fiscal Commission.  
 Report of the Taxation Enquiry Committee.  
 Report of the Indian Labour Commission.

*Paper VI.*—E. A. Ross—Principles of Sociology.  
 Blackmar and Gillen—Outlines of Sociology.

### PHILOSOPHY.

*1st Paper.*—Nature, Schools and Problem of Philosophy.

- |                       |  |
|-----------------------|--|
| 1. Ralph Barton Perry | .. The Approach to Philosophy.                   |
| 2. W. James           | .. Some problems of Philosophy.                  |
| 3. F. Paulsen         | .. Introduction to Philosophy.                   |
| 4. H. Sidgwick        | .. Philosophy, its Scope and Relation.           |
| 5. Marvin             | .. An Introduction of Philosophy.                |
| 6. Russell (B)        | .. The Problem of Philosophy.<br>(O.U. Series).  |
| 7. Fullerton (J.S.)   | .. Introduction to Philosophy.                   |
| 8. Sellars (R. W.)    | .. The Principles and Problems<br>of Philosophy. |
| 9. Calkins (M. W.)    | .. The persistent problems of<br>Philosophy.     |
| 10. Jerusalem (W.)    | .. Introduction to Philosophy.                   |
| 11. Kulpe             | .. do  |
| 12. Rappoport         | .. Primer of Philosophy. (O.U.<br>Series.)       |
| 13. Alexander         | .. Space, Time and Deity.                        |
| 14. Kant              | .. Critique of pure Reason.                      |

*2nd Paper.*—History of Philosophy—

1. A short History of Philosophy by Alexander.
  2. A History of Philosophy by Weber.
  3. Essay concerning Human Understanding by Hume.
  4. Principles of Human Knowledge by Berkeley.
  5. Discourse on Metaphysical Method by Descartes.
- (Books 3, 4 or 5 will be prescribed in rotation every year.)

*3rd Paper* Hindu Philosophy. -

Text books for intensive reading- -

1. The six systems of Indian Philosophy. (Max Muller).
2. History of Indian Philosophy. (Das Gupta).

3. Indian Philosophy. (Radha Krishna).
4. Philosophy of the Upanishads. (Deussen.)
5. History of the Creative Period of Indian Philosophy. (Ranade.)
6. Sarva Darshana Samagraha. Cowell (Trubner's series.)
7. Bhagwat Gita. (Telang.)

Text-books recommended for study.—

1. Studies in Early Indian Thought. (Stephen Dejai.)
2. Systems of Vedantic Thought and Culture. (Mahendra Nath Sarkar.)
3. Pantheism and its value for life. (Urquhart.)
4. Positive Sciences of Ancient Hindus (Seal B. N.)
5. Indian Philosophy. (Dayies.)
6. Patanjolies Yoga system. (Woods.)
7. Outlines of the Vedanta system. (Deussen.)
8. Hindu Realism. (Chatterji).
9. The Sankhya system. (A. B. Keith.)
10. Indian Logic. (Keith.)

Books to be consulted.

1. The Thirteen Principal Upanishads. (Hume).
2. Sacred books of the East. (Max Muller). (Upanishads and Brahma Sutras).
3. Sankhya Pravachana Bhashya (Vijnana Bhikshu).
4. Sidhanta Muktaavali. (Vatsayana).
5. Vedanta Oaribhasha.
6. Great Religious Teachers of the East. (Alfred Martin).
7. Philosophy of Upanishads. (Radha Krishna).

4th Paper.—Outlines of Islamic Philosophy, Kalam and Sufism.

*Books for reference:—*

1. Ilmul Kalam by Shibli.
2. Alghazzali by Shibli.
3. Ilm-i-Rushd—Maulvi Mohd. Younus.
4. History of Islamic Philosophy by De Boer (Osmania University Series.)
5. Arabic Thought by O'Leary.
6. Metaphysics in Persia by Sir Muhammad Iqbal.
7. Hikmat-ul-Islam by Shaikh Shahabuddin Suhrawardy (O.U.S.)
8. Maqasid-ul-Falsafa wa Nihayat-ul-Falsafa by Imam Ghazzali,

9. Kashf-ul-Mahjub by Ali Hujwari.
10. Gulshan-i-Raz by Muhamud Shabistri.
11. Portions of Masnawi by Rumi.
12. Mantiq-ut-Tair-Fariduddin Attar.
13. Portion of Fususul Hikm (Hadiqa Sanai). Ibn Arabi.

5th Paper.—Psychology :—

(a) Books for detailed study :—

1. Woodworth's Psychology a study of mental life.
2. W. James'—Text-book of Psychology.

(b) Books for non-detailed study and reference :—

1. McDougall .. A primer of Physiological Psychology.
2. McDougall .. Outlines of Psychology.
3. Watson .. Behaviourism.
4. J. S. Moore .. Foundations of Psychology.

6th Paper.—A brief study of theoretical and practical Ethics :—

1. Manual of Ethics by Mackenzie (O.U.S.)
2. Theory of Good and Evil by Rashdal (O.U.S.)
3. Ethics by Dewey and Tufts. (O.U.S.)
4. A system of Ethics by F. Palson.

MUSLIM THEOLOGY OR MORALS.

(A) Theology (for Hanafi students) :—

The following syllabus is prescribed :—

مذہب —

اس کی عام حقیقت، غرض و غایت، مذہب کا علوم عقلیہ یعنی حکمت (سائنس) اور فلسفہ سے تعلق۔ فلسفہ کے مسلک مادیت کا اثر مذہب پر۔ مسلک مادیت کے سمجھنے کے لئے خود مادہ پر بحث۔ دین فطرت یعنی اسلام یورپ کے اثرات سے مذہب کیوں گھٹ رہے ہیں۔

وجود باری اور اس کے بقین کے اسباب  
خلق عالم خالق و مخلوق کا باہمی تعلق۔ ربوبیت و قیومیت کے مظاہر۔ توحید۔ صفات۔

روح و ملائکہ۔

روح کی حقیقت اس کے احوال و آثار۔ اس کی بقا۔ ملائکہ کی حقیقت۔ پر بحث۔ جن و شیاطین کی حقیقت۔ رسالت۔ نبوت

کی حقیقت۔ اسکی ضرورت و غایت۔ رسول کی پہچان اسکی  
تعلیم و کتاب۔ معجزات اور اس کے لواحق، امکان وجود،  
شہادت، ان کا دلیل نبوت ہونا۔ وحی۔ الہام عموم نبوت محمدیہ  
ختم نبوت۔ نسخ ادیان۔ خلافت الہیہ۔

معاد۔

سزا و جزا۔ عذاب قبر۔ قیامت۔ جنت و دوزخ۔ تقدیر۔ جبر و  
اختیار۔ خیر و شر

شریعت و طریقت۔

کلام مجید و احادیث پر انکی بناء انکے اختلافات کی نوعیت  
۱ سورہ بقرہ جو عنوانات مباحث کلامیہ کے لئے متعلق ہیں انکی  
حسب موقع تفصیل کی جائے

۲ برائے مطالعہ سرسری

دین و دانش مولوی محمود علی صاحب  
حکمت اسلامیہ مولوی عبدالقدیر صاحب

(B) Morals (for Non-Hanafis and Non-Muslims) Mac-  
kenzie's Ethics (Osmania University Series).

*M. A. Examination.*

## 1. ENGLISH

*Paper I.*

*Part I—Language*—The development of the English Language from early to Modern times:

The following books are recommended:—

Bradlay: The Making of English.

Pearsall Smith: The English Language.

Jeaperson: The Growth and Structure of the English Language.

Greenough & Kittrede: { Words and their ways in English  
Speech.

Wyld: Historical Study of the Mother tongue.

Bett: Wanderings Among words.

*Part II—Chaucer*: The Prologue to the Canterbury Tales.

*N.B.*—Candidates must attempt at least 2 questions from each part.

*Paper II.*—Shakespeare and the Elizabethan Drama.

Texts for special study:

Shakespeare: { As you like it.  
Richard III.  
Hamlet.  
A Winter's Table.

Marlowe: Dr. Faustus.

Webster: The Duchess of Malfi.

Jonson: The Alchemist.

*N.B.*—In addition to the prescribed plays, candidates will be expected to show a general knowledge of the other plays of Shakespeare and an acquaintance with the progress of Shakespearean Criticism.

*Books for Reading.*

Elizabethan Plays edited by Hazelton Spencer (Macmillan).

The following plays:—

Marlow: The Jew of Malta, Edward II.

Lyly: Endymion.

Greene: Friar Bacon and Friar Bungay.

Kyd: The Spanish Tragedy.

Jonson: Every Man in his Humour.

Dekker: The Shoemaker's Holiday.

Beaumont and Fletcher: Philaster.



*Paper III.—Spenser to Milton—(1559 to 1660) :—*

Texts for special Study :—

- |          |   |   |
|----------|---|---|
| Spenser: | { | The Faerie Queens: Book I Cantos 1-6.   |
|          |   | The Shephard's Calendar: Eclogues I & X |
|          |   | Epithalamion.                           |
|          |   | Prothalamion.                           |
| Milton:  | { | Paradise Lost: Books I and II.          |
|          |   | Comus.                                  |
| Bacon:   |   | Essays: 1-12.                           |
| Sidney:  |   | Apologie for Poetrie.                   |

*Books for Reading.*

- Shakespeare: Sonnets.  
 Lyly: Euphues.  
 Nashe: The Unfortunate Traveller.  
 Milton: Arcopagitica.  
 Thomas Browne: Religio Mediei.  
 W. T. Young: Poetry of the Age of Shakespeare.  
 Herrick: Selections in Ward's English Poets, Vol. II.  
 H. J. C. Grierson: Metaphysical Lyrics & Poems.

*Paper IV.—Dryden to Johnson.*

Texts for special study :—

- |           |   |   |
|-----------|---|---|
| Dryden:   | { | Absalom and Achitophel.                       |
|           |   | Preface to the Fables.                        |
| Pope:     | { | The Epistle to Arbuthnot.                     |
|           |   | The Rape of the Lock.                         |
| Thomson   | { | Selections in Ward's English Poets, Vol. III. |
| Collins   |   |   |
| Goldsmith |   |   |
| Addison:  |   | Selected Essays edited by Lobban.             |
| Johnson:  | { | The Vanity of Human wishes.                   |
|           |   | Preface to Shakespeare.                       |
| Swift:    |   | The Battle of the Books.                      |

*Books for Reading.*

- Dryden: { The origin and Progress of Satire.  
 All for Love.  
 Sheridan: The Rivals.  
 Johnson: Six Lives edited by Mathew Arnold.  
 Fielding: Tom Jones.  
 Gibbon: The Age of the Antonines (from the Decline and  
 Fall of the Roman Empire) (Macmillan).

Burke: Selected Speeches edited by F. C. Selby (Macmillan).

Boswell: A Shorter Boswell edited by John Bailey (Nelson).

Horace Walpole: Selected Letters.

Congreve: The Way of the World.

Goldsmith: She stoops to Conquer.

*Paper V.—The Age of Wordsworth.*

Texts for special study:—

Wordsworth: { Lines composed above Tintern Abbey.  
Ode on Intimations of Immortality.  
Influence of Natural Objects.  
Loadamia.

Coleridge: { The Rime of the Ancient Mariner.  
Literary Criticism (edited by J. W. Mackan) (O.U.)

Keats: { Ode to a Nightingale, Ode on a Grecian Urn,  
Ode to Autumn.  
Eve of St. Agnes.

Shelley: { Adonais, Ode to a Skylark.  
Ode to the West Wind, The Cloud.

Byron: { Childe Harold: Canto IV.  
The Vision of Judgement.

Lamb: Essays of Elia: 1st Series.

*Books for Reading.*

Burns: }  
Blake } Selections in Ward's English Poets, Vol. III.

Scott: Selections in Ward's English Poets, Vol. IV.

De Quincey: Literary Criticism edited by Darbishire (O.U.P.)

Jane Austen: Pride and Prejudice.

Scott: Kenilworth.

Lockhart: Life of Scott (Abridged) Macmillan.

Hazlitt: Table Talk.

*Paper VI.—Victorian Literature.*

Texts for special study:—

Tennyson: In Memoriam.

Mathew Arnold: The Scholar Gypsy, Thylis.

Do: Essays in Criticism: Second Series.

Robert Browning: Rabbi Ben Ezra, The Grammarian's Funeral, Pippa Passes.

Swinburne: Selections in Ward's English Poets, Vol. V.

Carlyle: The Hero as Poet.

Ruskin: Selections edited by A. C. Benson, (C.U.P.)

*Books for Reading.*

The Oxford Books of Victorian Verse (O.U.P.)

R. L. Stevenson: *Selected Essays* edited by H. G. Rawlinson, (O.U.P.)

Newman: *The Idea of a University*.

Dickens: *The Pickwick Papers*.

Thackeray: *Henry Esmond*.

Charlotte Bronte: *Jane Eyre*.

Anthony Trollope: *Barchester Towers*.

George Meredith: *The Ordeal of Richard Feverel*.

Macaulay: *History of England*, Chapter III.

Morley: *Selected Essays* edited by H. G. Rawlinson (Macmillan).

*Paper VII.—Contemporary Literature.*

Texts for special study:—

Francis Thompson: *The Hound of Heaven*.

Robert Bridges: *Shorter Poems* (Books I-V) from *Poetical Works of Robert Bridges* (O.U.P.)

William Watson: *Lachrymae Musarum*.

*Longer Modern Verse* edited by Edward A. Parker, (O.U.P.)

G. B. Shaw: *Man and Superman*.

G. K. Chesterton: *Heretics* (Methuen).

John Galsworthy: *The Silver Box*.

Robert Lynd: *The Pleasures of Ignorance*.

*Books for Reading.*

Samuel Butler: *Erewhon*.

Thomas Hardy: *Tess of the D'Urbervilles*.

Arnold Bennett: *The Old Wives' Tale*.

H. G. Wells: *Kipps*.

John Galsworthy: *The Forsyte Saga*.

Lytton Strachey: *Queen Victoria*.

*My Best Story*—(Faber and Faber).

*An Anthology of Modern Verse* chosen by A. Methuen.

*Modern Poetry: 1922-34* edited by Maurice Woolman (Macmillan).

*Twentieth Century Critical Essays*—(O.U.P.)

*Great Modern English Plays* edited by J. W. Marriott, (Harrap)

G. B. Shaw: *St. John*.

*Paper VIII.—Essay on a Literary Subject.*

*A.B.*—Subjects will include the Literary and Social History of England, the Principles of Criticism and Literary Forms

## 2. ARABIC.

1345—1346 F. (1936—1937).

## نثر تاریخی

- (۱) سیرۃ ابن ہشام - از ذکر ما ابتدا بہ النبی صلعم صفحہ (۱۵۱)  
تا آخر الجزء الخامس - صفحہ (۲۶۲) طبع یورپ
- (۲) المسعودی - مروج الذهب از باب السابع والثلاثون ذکر عاد  
و ملوکھا - تا باب الحادی والستون -

## نثر غیر تاریخی

- (۱) کتاب البیان والتبین من خطب النبی صلعم خطبہ حجة الوداع  
الی آخر الجزء الاول صفحہ (۱۶۳) تا (۲۲۲) طبع قاہرہ  
المطبعة العلمية سنہ ۱۳۱۱ھ
- (۲) کتاب الغفران (للعری) مختصر الجزوالاول تا صفحہ (۲۳۰)  
ایجاز و شرح کامل گیلانی طبع مصر -
- (۳) المبرد - پہلے (۱۶) باب (یورپی اشاعت کے ابتدا سے  
۱۰۰ صفحہ)
- (نوٹ) - طالب علم کو چاہئے کہ اس کتاب کا پورا مطالعہ کرے۔

## نظم -

- (۱) معلمات (لید - طرفہ - عنترہ - - حارث ابن حلزہ)
- (۲) لامیۃ العرب لالشغری
- (۳) قصیدہ بانث سعد (مکمل)
- (۴) دیوان ابوتمام سے حسب ذیل (۵) قصائد
- (۱) السیف اصدق انباء من الکتب
- (۲) اہن عوادی یوسف و صواحبه
- (۳) الحق البلیغ والسیوف و عوار

(۴) اما انه لولا الخلیط المودع  
(۵) کز اقلیجل الخطب و لیقدح الامر (المراثی)

نحو و تنقید و عروض و بلاغت -

(۱) المفصل للزخشری - القسم الاول ( طبع یورپ - صفحات ۴ تا ۱۰۸ )

(۲) العمدۃ لابن الرشیق - الجزء الاول از ابتدا تا باب البلاغہ ( صفحات ۱ تا ۱۶۱ طبع مصر سنہ ۱۳۲۵ھ ) باستثنائے باب الاوزان و باب القوافی

(۳) کتاب الشعر و الشعراء لابن قتیبہ از ابتدا تا ختم عیوب الشعر ( طبع یورپ کے ۳۵ صفحے )

(۴) کتاب علم لادب الجزء الاول مولفہ لو یس شیخو الیسوعی مطبوعہ بیروت ( دنتخابات )

تاریخ ادب -

(۱) جاہلیت سے حال تک کے ادبیات عربیہ کی تاریخ  
(۲) پروفیسر نکسن کی تاریخ ادبیات عرب - جرجی زیدان کی تاریخ آداب اللغة العربیہ اور اولیری کی کتاب (عربک تھاٹ) کے مطالعہ کی سفارش کی جاتی ہے -

کتاب الشعر و الشعراء کا مکمل مطالعہ بھی ضروری ہے -

عبرانی یا جرمنی یا فرینچ -

السنہ مذکورہ میں سے کسی ایک زبان کے ابتدائی معلومات کے متعلق ایک پرچہ (۵۰) نشانات اور دو ساعت کا ہوگا جس میں اس زبان کی آسان علمی عبارتیں اردو میں ترجمہ کے لئے دی جائیں گی یا ان پر اردو میں بحث کرنے کو کہا جائیگا -

ہدایت - عربی جدید سے واقفیت حاصل کرنے کے لئے طالب علم کو چاہئے کہ النظرات مولفہ المنفلوطی کا مطالعہ کرے - یہ کتاب مکتبہ احدیہ سے منگوائی جاسکتی -

پرچہ اول نظم -

(۱) معلقات (البید - طرفہ - عنترہ - حارث ابن حلزہ)

(۲) لامیۃ العرب للشنفری

(۳) قصیدہ بانث سعاد (مکمل)

(۴) دیوان ابوتمام سے حسب ذیل (۵) قصائد :-

(۱) السیف اصدق انباء من الكتب

(۲) اهن عوادی یوسف و صواحبه

(۳) الحق ابلج والسیونف عواز

(۴) اما انه لولا الخلیط المودع

(۵) کذا فلیجل الخطب ولیفدح الامر

پرچہ دوم - نثر -

(۱) المسعودی - مروج الذهب از باب السابع والثلاثون ذکر

عادو ملوکھا - تا باب الحادی والستون -

نوٹ - اس کتاب سے زیادہ تر تاریخی سوالات کئے جائینگے -

(۲) البیان والتبیین من خطب النبی صلعم، خطبہ حجة الوداع

الی آخر الجزء الاول صفحہ (۱۶۳) تا (۲۲۲) طبع قاہرہ المطبعة

العلمیہ سنہ ۱۳۱۱ھ

(۳) رسالة الغفران (للمعری) مختصر الجزء الاول تا صفحہ (۲۳۰)

ایجاز و شرح کامل کیلانی طبع مصر -

(۴) الكامل للبرد باب (۴۹) باب من اخبار الخوارج از صفحہ

(۵۲۷) تا ختم صفحہ (۶۰۰) طبع لیبزک

پرچہ سوم - عربی مضمون و ترجمہ

پرچہ چہارم - نحو و تنقید و عروض و بلاغت

(۱) المفصل للزخشری - القسم الاول طبع یورپ (صفحات ۱۰۸ تا ۴)

(۲) العمدة الابن الرشیق - الجزء الاول از ابتدا تا باب البلاغہ (صفحات ۱ تا ۱۶۱ طبع مصر سنہ ۱۳۲۵ھ) باستثنائے باب الاوزان و باب القوافی

(۳) مقدمہ کتاب الشعراء والشعراء لابن قتیبہ از ابتدا تا ختم عیوب الشعر (طبع یورپ کے ۳۵ صفحے)  
علوم البلاغہ تالیف احمد مصطفی المراغی  
(۴) محیط الدائرہ - تالیف کرانیلیوس خان دیک

### امتحان آخری

پرچہ اول - تاریخ ادب

مندرجہ ذیل کتابوں کے مطالعہ کی سفارش کیجاتی ہے :-

- (۱) پروفیسر نکلسن کی تاریخ ادبیات عرب
- (۲) جرجی زیدان تاریخ آداب اللغة العربیہ مکمل ۴ جزء
- (۳) اولبری 'عربك تهاٹ'
- (۴) النقد التحلیلی کتاب الادب الجاہلی لمحمد

احمد الغمراوی

- (۵) تاریخ \* الادب الاندلسی \* لاحمد حسین الزمان
- (۶) حضارة العرب فی الاندلس للسید عبدالرحمن البرقوقی
- (۷) کتاب الشعراء والشعراء لابن قتیبہ

پرچہ دوم -

الف مندرجہ ذیل زبانوں میں سے کسی ایک زبان کی آسان علمی عبارتیں اردو میں ترجمہ کے لئے دیجائیں گی - اسکی صرف و نحو پر بھی سوالات ہونگے -

(۱) عبرانی (۲) جرمنی (۴) فرانسیسی

ب نثر و نظم جدید

نثر:-

(۱) الاکٹور ہیکل - تراجم عربیہ و مصریہ

ذینب ”

(۲) لطفی المنفلوطی - النظرات جزء اول

(۳) امین الريحانی - الريحانيات جزء اول

نوٹ - طالب علم کو چاہئے کہ اسٹاذ کی مدد سے ان کتابوں کا مطالعہ کرے - سوالات انہیں کتابوں کے مضامین پر ہونگے -

نظم -

حسن السند سی کی کتاب الشعراء الثلاثة \* ( حافظ، مطران، شوقی )  
سے حسب ذیل نو تصدیقے -

( ۱ ) حول تصدیح ۲۸ فرسائر سنہ ۱۹۲۱ صفحہ ۸۷

( ۲ ) المسفور کائناتک تراہ صفحہ ۱۱۰

( ۳ ) عبدة الدهر ” ۱۱۳

( ۴ ) المساء ” ۲۶۴

( ۵ ) قلعة البعلبك ” ۳۰۴

( ۶ ) الى ابنا لنا رجال الغد ” ۳۲۸

( ۷ ) الامتان المتصافتان ” ۳۶۴

( ۸ ) الاستاذ الشيخ محمد عبده ۳۷۲

( ۹ ) مصر فوق الجميع ” ۳۸۱

\* یہ کتابیں مندرجہ ذیل پتہ سے دستیاب ہو سکتی ہیں -

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امتحان ابتدائی۔

پہلا پرچہ حصہ نظم  
الف۔ قصائد۔

- ۱۔ مادر میے را بکر د باید قربان
  - ۲۔ اے نہادہ بردیان فرق جان خویشین
  - ۳۔ اگر محول حال جہانیان نہ قضا ست
  - ۴۔ صبح دم چون کله بند آہ دود آسا مے من
  - ۵۔ کراست زھرہ کہ با این دل: صبر نفور
  - ۶۔ این خرمی نگر کہ مرا ناگهان رسید
  - ۷۔ مژده اے آرام دل کا رام جانها میرسد
  - ۸۔ شیریں دھان یار کہ راحت بجان دھد
  - ۹۔ صباح عید کہ در تکیہ گاہ ناز و نعیم
  - ۱۰۔ بادہ جان بخش ست و دلکش خاصہ در وقت بہار
- (ب) مثنوی۔

- ۱۔ مخزن اسرار از ابتدا تا ”در صفت معراج“
  - ۲۔ نلد من۔ از ابتدا تا شعر۔ بگزاشته در مکان را
  - ۳۔ جاوید نامہ (انتخاب متعاقب پیش کیا جائے گا)
- (ج) غزلیات۔

- ۱۔ خسرو از ابتدا مے ردیف الف
- ۲۔ حسن از ابتدا مے ردیف تا
- ۳۔ نظیری از ابتدا مے ردیف میم

(د) رباعیات -

۱ - خیام مطبوعہ طہران (طبعہ نہضت شوق) ابتدائی ۱۵۰ شعر

۲ - حضرت ابوسعید ابوالخیر

پرچہ دوم (حصہ نثر)

۱ - چہار مثالہ نظامی عروضی سمرقندی (گپ سیریز)

۲ - سیاست نامہ نظام الملک طوسی (مطبوعہ طہران)

۳ - زیباورن نامہ باب دوم مع مقدمہ مصحح

۴ - بہت مقالہ ترویجی صفحہ (۱) تا (۱۰۵)

پرچہ سوم (عصر جدید و مضمون نویسی)

حسب ذیل کتب کے مطالعہ کی سفارش کی جاتی ہے -

(۱) حاجی بابا اصفہانی (نصف اول)

(۲) عذب البیان

(۳) تجلیات روح ایرانی (مطبوعہ ایران شہر)

(۴) ترجمہ احوال سید جمال الدین افغانی (مطبوعہ ایران شہر)

(۵) داستان شہر بانو - تالیف رحیم زادہ صفوی  
(حصہ اول)  
(۶) سخنوران ایران در عصر حاضر -  
تالیف محمد اسحاق

مضمون نویسی بالعموم کتب متذکرہ بالا پر مبنی ہوگی -

پرچہ چہارم (عربی - بلاغت - عروض فارسی -)

لقرار الرشیدہ الجزء الرابع صفحہ (۱) تا (۱۲۴)

باستثناء اسباق منظوم

بلاغت و عروض کے لئے حسب ذیل کتابوں کی سفارش کی جاتی ہے -

- (۱) حقایق السحر مصنفہ رشید و طواط ( بیان و بدیع )  
 (۲) المعجم فی معانی اشعار عجم مصنفہ الشمس قیس ( عروض )  
متحان آخری -

- بہلا پرچہ - تاریخ ادبیات ایران - از ابتدا تا عہد مغول -  
 حسب ذیل کتابوں کے مطالعہ کی سفارش کی جاتی ہے :-  
 ایران قدیم ہخامنشی دور اور ہیکھی کتبے  
 (۱) ایران قدیم حسن پرنیا مشیر الدولہ مطبوعہ طہران  
 An Outline of Persian History based on Cuneiform Inscriptions by Ahl. (2)  
 Sykes, History of Persia, 3rd Edition (Vols. I & II for all periods). (3)  
 C. Huart, Ancient Persia (Chapters I-III). (4)  
 The Cambridge Ancient History Vol: IV Ch: i (5)

### زردشت اور اوستا

- A. V. W. Jackson, Zoroaster & Zoroastrian Studies (1)  
 Yashts and Gathas (Marker Avestan Series).  
 Pur-i-Saud's Introductions to the editions of (2)  
 Dhalla, Zoroastrian Theology. (3)

### ساسانی دور اور پہلوی

- West, Article on Pahlavi Literature (Grundriss der Iranischen Philologie Vol. II, pp. 75-129). (1)  
 Nariman, Iran and Iranians. (2)

### اسلامی دور اور فارسی ادب

- (۱) احوال و اشعار و دکی ، سعید نفیسی جلد اول و دوم  
 مطبوعہ طہران  
 (۲) سخن و سخنوران ، بدیع الزمان بشیرویہ خراسانی  
 (وزارت معارف)  
 (۳) روزنامہ کاوہ - سلسلہ مضامین متعلقہ شاہیر شعراء ایران

(۴) تاریخ ادبیات ایران - جلال الدین ہوائی جلد دوم

(۵) شعرا العجم، جلد چہارم و پنجم

Browne, Literary History of Persia Vol. I and II (6)

پرچہ دوم - از عہد مغول تا زمانہ حال :-

حسب ذیل کتابوں کے مطالعہ کی سفارش کی جاتی ہے۔

Browne, Persian Literature under Tartar Dominion (1)

Browne, Persian Literature in Modern Times (2)

Browne, A Year Amongst the Persians (3)

Browne, The Press and Poetry of Modern Persia (4)

Browne, Persian Revolution (5)

E. D. Ross, Persia (6)

The Times, London: Persian Number Jan. 5th, 1931 (7)

Wilson, Persia (8)

(۹) سخنوران دوران پہلوی و طبوعہ بمبئی

مقالہ حسب تصریح قواعد

#### 4. URDU.

1345—1346 F. (1938—1939).

امتحان ابتدائی :-

پرچہ اول زبان قدیم -

ولی۔ کلیات مرتبہ انجمن ترقی اردو

سودا۔ قصائد، مثنویات مرانی

میر۔ مثنویات، قصاید

وجہی سبرس۔ دکھنی مرثیے۔ انتخاب اردو شہ پارے۔

شمس اللہ قادری۔ اردو کے قدیم جدید اڈیشن نولکشور پریس

پرچہ دوم - نظم -

انیس۔ مرانی جلد اول و دوم

شیفتہ - دیوان

اقبال۔ بانگ درا حصہ دوم و سوم  
دیرسبع مثنائی (سید سرفراز حسین صاحب خیبر ممتاز بك ایجنسی  
نحاس لکھنؤ)

پرچہ سوم - نثر

میرامن - باغ و بہار  
سرور - فسانہ عجائب  
سرسید - خطوط (بدایون پریس)  
حالی - حیات جاوید  
شرر - ایام عرب  
رسائل عماد الملک

پرچہ چہارم - مضمون نویسی

امتحان آخری

پرچہ اول - تاریخ زبان و ادب -

نصاب درج ذیل ہے :-

- (۱) زبان ماہیت و آغاز اور کثرت السنہ کے اسباب
- (۲) تشکیل السنہ - فطری ارتقا - ارادی تشکیل
- (۳) دنیا کی زبانیں - طریقہ تقسیم - مختلف خاندان اور شاخیں
- (۴) ہندوستان کی زبانیں ہند آریائی ارتقاء اریائی گروہ

غیر اریائی زبانیں

- (۵) ہندوستانی - آغاز و ارتقاء - (شمال، گجرات، دکن)
- (۶) دوآبہ کی زبان - ہندوستانی کا ارتقاء اور مقامی زبان کا اثر
- (۷) گجرات اور دکن کی زبان ہندوستانی کا ارتقاء اور مقامی بولیوں کا اثر

- (۸) ہندوستانی کے جدید رجحانات - ہندی - اردو
- (۹) ادب قدیم - آغاز سے ولی تک (گجرات - دکن - شمال)
- (۱۰) درمیانی ادب - اردو نظم و نثر ولی سے حالی تک
- (۱۱) عہد حاضر حالی سے موجودہ زمانہ تک کی اردو نظم و نثر جدید - رجحانات -

حسب ذیل کتب کی سفارش کیجاتی ہے :-

گریسن لنگوسٹک سروے آف انڈیا (جلد نہم حصہ اول)

شیفہ - گلشن بیخار

انثا - دریا مے لطافت

پروفیسر سلیم - وضع اصطلاحات

عبدالحق - تذکرہ گل رعنا

عبدالسلام - شعرالہند

سکسینہ - تاریخ ادب اردو (اردو ایڈیشن)

مختلف تنقیدین بشمول مقدمہ دیوان حالی و موازنہ انیس  
و دبیر وغیرہ

چہ دوم بھاشا۔

راجہ پلھمن سنگھ - شکستلا ٹاٹک صرف پہاڑے چار ایکٹ

ہندی بالہودہ ویا کرن

تلمی داس راہین (اجودھیا کالڈ کا ابتدائی ربع حصہ)

تاریخ ادب ہندی (ہری ٹیچ اف انڈیا سیریز)

نوٹ :- ایم۔ اے میں کامیابی کیلئے اس پرچہ میں (۳۰) فیصد نشانات  
لینا ضروری ہے۔

مقالہ یا کسی کتاب کو اڈٹ کرنا (۲۰۰) نشانات - مقالے پروفیسر  
کی نگرانی اور مشورے کے مطابق لکھے جائیں - مضامین کا  
انتخاب پروفیسر کی تحریک پر مجلس نصاب کی منظوری سے ہوگا۔

1347-1348 F. (1938-1939).

امتحان ام۔ اے - (ابتدائی)

پرچہ اول زبان قدیم

وجہی - سہر س (مرتبہ انجمن ترقی اردو)

نصرتی - شیخ ملا نصرتی از مولوی عبدالحق

ولی - کلیات (مرتبہ انجمن ترقی اردو)  
 آبرو - دیوان آبرو (مرتبہ انجمن ترقی اردو)  
 سودا - قصائد  
 دکھنی سرٹیسے (انتخاب اردوشہ پارے)  
 پرچہ دوم نظم  
 انیس - مرآئی جلد اول  
 دبیر - سبع مثنائی (سید سرفراز حسین حیر)  
 موہن - دیوان  
 اقبال - بال جبریل  
 پرچہ سوم نثر -

میرا ن - باغ و بہار  
 سرور - فسانہ عجائب  
 سرسید - مجموعہ لکچرز  
 گونڈے فلوٹسٹ (انجمن ترقی اردو)  
 حالی - حیات جاوید  
 ازاد - آب حیات  
 پرچہ چہارم - مضمون نویسی

### امتحان آخری

پرچہ اول :- عبدالحق - مقدمات (وہ مقدمے جو تذکروں پر لکھے گئے ہیں)

other books are the same as prescribed for 1345 and 1346 F.

پرچہ دوم - بہا شا

Same as for 1345 and 1346 F.

(5) HISTORY.

1345--1348 F. (1936--1939).

Previous Examination. - -

1st Paper -- Political Theories. (1500 to present day.)

1. History of Political Theories by Dunning. (Vol. I, Ch, XI, Vols. II and III).

2. History of Political Thought by Gettell, (Portions relating to the period).
3. Studies in the History of Political Philosophy (2 Vols.) by Vaughan.
4. Political Thought from Spencer to the present day by Barker.

2nd Paper—Political Institutions (1,500 to present day).

The books given below only set the standard of the examination; only relevant portions dealing with constitutional aspects should be studied.

General:—

1. Sidgwick: Development of European Policy, (Osmania University Series).
2. Ogg: Governments of Europe (Osmania University Series).

England:—

Ogg: Governments of Europe (Osmania University Series).  
Holy Roman Empire:—

Jonson: Europe in the XVI Century (Osmania University Series).

Germany:—

Ogg: Governments of Europe (Osmania University Series).

Italy:—

Sidgwick—Development (Osmania University Series). The Fascist State.

France:—

Pre-Revolutionary, Jonson:—Europe in the XVI Century (Osmania University Series). Revolutionary and Napoleonic Europe. Morse Stephens: Revolutionary Europe (Osmania University Series).

Modern: Ogg.



**Spain :—**

The four chambered Legislative—Cambridge Modern History.

Constitution of 1812; Morse Stephens:

Republican Constitution of 1931—Annual Register 1931.

**Turkey :—**

Cambridge Modern History, Vol. I.

Lane Poole: Turkey (Latest edition 1922).

Mears: Modern Turkey.

**Japan :—**

Kitazawa: The Government of Japan.

**Russia :—**

The Constitution of the Soviet State.

**U. S. America and Switzerland :—**

Woodrow Wilson: The State.

**India :—**

Mughal Constitution.

Constitutional History of Modern India.

For the latest developments, refer to such publications as the Annual Register, from 1923, etc.

**Papers 3rd & 4th :—**

(1) (a). Indian History (Medieval period 1658-1707)

The following books are recommended :—

- |                                 |    |    |            |
|---------------------------------|----|----|------------|
| 1. History of Aurangzib         | .. | .. | J. Sarkar. |
| 2. India of Aurangzib           | .. | .. | J. Sarkar. |
| 3. Nobility and Mughal Kingship | .. | .. | Khosla.    |
| 4. Mughal Armies in India..     | .. | .. | W. Irvine. |
| 5. Mughal Numismatics           | .. | .. | Hawebwala. |
| 6. Rise of the Maharatta Power  | .. | .. | Ranade.    |

- |                                |                   |
|--------------------------------|-------------------|
| 7. Sivaji and his Times ..     | .. J. Sarkar.     |
| 8. Maharatta Administration .. | .. S. Sen.        |
| 9. History of the Sikhs ..     | .. Cunningham.    |
| 10. Mughal Administration ..   | .. Dr. Ibne Hasan |

- |                    |                         |     |
|--------------------|-------------------------|-----|
| محمد ساقی          | ماثر عالمگیری           | - ۱ |
| محمد کاظم          | عالمگیرنامہ             | - ۲ |
| خافی خان           | منتخب الباب             | - ۳ |
| نجیب اشرف          | رقعات عالمگیری          | - ۴ |
| نظام الدین الصاعدی | حدیقة السلاطین قطب شاہی | - ۵ |
| ابراہیم زیری       | بساتین السلاطین         | - ۶ |

(b) Indian History (Modern period 1880-1919).

The following books are recommended:—

1. The Cambridge History of India, Vol. VI. by H. H. Dowell.
2. Life of Lord Ripon, Vol. II. by Wolf.
3. India Under Dufferin, W. S. Blunt.
4. Life of Lord Dufferin, Vol. II, by Sir A. C. Lyall.
5. Administration of Lord Landsdowne, by Sir G. N. Forrest.
6. Life of Lord Curzon, Vol. II. by Lord Ranaldshay.
7. Speeches-G. K. Gokhale.
8. Lord Minto, a memoir by John Buchan.
9. Recollections- Lord Morley.
10. Speeches on Indian Affairs-Lord Morley.
11. A Nation in making, by Sir Surendranath Banerjee.
12. The Indian Constitution, by S. T. B. Sapru.

Parliamentary Papers:—

1. Report of the Royal Commission on Decentralization in India-1908.
2. Montague-Chelmsford Report 1918.
3. Report of the Joint Select Committee on the Government of India Bill, 1919.

(2) European History:—(1852-1871).

The following books are recommended:—

- |           |  |
|-----------|--|
| Action    | "Cambridge Modern History"-Vol. XI.      |
| Fyffee    | "History of Modern Europe"- III (O.U.S.) |
| Hertslet  | "Map of Europe by Treaty"- II & III      |
| Bourgeois | "Modern France"- Vol. II.                |

- Senior "Conversations with Their, Guizot, &c. 2 Vols.  
 Simpson "Louis Napoleon and the Recovery of France."  
 Ward "Germany" - Vol. II.  
 King "History of Italian Unity" - 2 Vols.  
 Jonquiere "Histoire de l' Empire Ottomane" - Vol. II.  
 (Osmania University Series)

(3) Islamic History:—

- (a) Salajiq: Alp Arslan and Malik Shah Saljuqi (455—485 H.) for 1345 F.

- (۱) ابن اثیر جلد ۹۹۸ - حصص متعلقہ
- (۲) ابن خلدون جلد ۵ - حصص متعلقہ
- (۳) راحت الصدور مصنفہ ابن الراوندی
- (۴) روضة الصفا
- (۵) حبيب السیر
- (۶) تاریخ گزیدہ - مصنفہ حمد اللہ مستوفی
- (۷) ابن خلکان - دفيات الاعیان (حصص متعلقہ)
- (۸) Browne's Literary History of Persia Vol. II
- (۹) Le Strange's Palestine under the Muslims
- (۱۰) Le Strange's Lands of the Eastern Caliphate (O.U.S.)
- (۱۱) Finlay's History of Greece do do
- (۱۲) Gibbon's Decline and Fall. (Portions Concerned)

- (b) Hazrat Omar and Osman (for 1346—1347).

مطالعے اور حوالے کے لئے حسب ذیل کتب کی سفارش کی جاتی ہے۔

- (۱) طبری (حصص متعلقہ)
- (۲) ابن اثیر ( " )
- (۳) مروج الذهب (حصص متعلقہ)
- (۴) ابوالفداء (حصص متعلقہ)
- (۵) کتاب المعارف - ابن فتیہ
- (۶) فتوح البلدان - بلاذری

- ( ٤ ) البيان المغرب نصف اول  
 ( ٨ ) افخرى - ابن طفطقى  
 ( ٩ ) كتاب الامات والسياسة  
 ( ١٠ ) تاريخ يعقوبى  
 ( ١١ ) التنبيه والاشراف ( مسعودى )  
 ( ١٢ ) كتاب الخراج - ( قاضى ابو يوسف )  
 ( ١٣ ) عمرو بن العاص ( مصنفه حسن ابراهيم حسن )  
 ( ١٤ ) Butler, Arab Conquest of Egypt.  
 ( ١٥ ) ارضى القرآن - مصنفه سيد سليمان ندوى  
 ( ١٦ ) تاريخ مكة - مصنفه ازرقى  
 ( ١٧ ) تاريخ عمر بن الخطاب - مصنفه ابوالفرج ابن الجوزى  
 (c) Abdul Malik bin Marwan and Walid bin Abdul bin Abdul Malik (1348 F.)

- ( ١ ) طبرى ( حصص متعلقه )  
 ( ٢ ) ابن اثير ( حصص متعلقه )  
 ( ٣ ) مروج الذهب ( حصص متعلقه )  
 ( ٤ ) اخبار الطوال ( دينورى )  
 ( ٥ ) تاريخ ابو الفدا ( حصص متعلقه )  
 ( ٦ ) التنبيه والاشراف ( مسعودى )  
 ( ٧ ) العيون والحدائد ( حالات وليد بن عبد الملك )  
 ( ٨ ) كتاب المعارف ( ابن قتيبه )  
 ( ٩ ) فتوح البلدان ( بلاذرى )  
 ( ١٠ ) الفخرى - ابن طقطقى  
 ( ١١ ) البيان المغرب ( نصف اول وثانى حصص متعلقه )  
 ( ١٢ ) احكام السلطانيه - ما وردى

(۱۳) النجوم الزاهرة - ابن تفسرى بردى (حصص متعلقه جلد اول)

(۱۴) تاريخ يعقوبى - جلد (۲) حصص متعلقه

Le Strange. Palestine under the Moslems (۱۵)

(4) English Constitutional History:—(1832-1901).

Students are expected to have a thorough knowledge of the working of the constitution, to be able to trace the growth of the movement of reform of Parliament, Municipalities, country Councils etc., and of socialistic legislation during the period. Such authors as Raven, Grant and Robertson, Todd, Marriot, May etc., are recommended for their studies.

Final Examination:—

1st Paper—General Historical Essay.

2nd „ Special Topics.

- (a) of comparative politics.  
(Government of the British Dominions and India)  
Keith: Responsible Govt. in the Dominions.  
Report of the Imperial Conference, 1926.
- (b) of Political Theories.  
The Political Theories of Imam Ghazzali.

(6) ECONOMICS—Books to be prescribed later.

(7) PHILOSOPHY:—

Books recommended:—

(a) Philosophy of Religion:—

Hallding: Philosophy of Religion.  
Caird. Introduction to the Philosophy of Religion.  
W. James: The Will to Believe.  
W. James: Varieties of Religious Experience.  
Webb: God and Personality.  
Schleiermacher: Reden.  
Jalaluddin Rumi: Masnavi.

(b) Aesthetics:—

Essays in Encyclopaedia on Aesthetics.  
Kant: Critique of Judgment.  
Hegel: Aesthetics:  
Croce: Aesthetics.  
Carret: Theory of Beauty.

## (6) MATHEMATICS :—

The following books are recommended.

## Algebra :—

Hall and Knight: Higher Algebra.

Milne: Higher Algebra.

Chrystal: Treatise on Algebra.

## Trigonometry :—

Loney: Plane Trigonometry, Part II.

Hobson: Treatise on Plane Trigonometry.

## Pure Geometry :—

Askwith: Course of Pure Geometry.

Durrel: Course of Plane Geometry for advanced students.

Part I and II.

## Analytical Geometry of two dimensions :—

Askwith: Analytical Geometry of the Conic Sections.

Smith: Elementry Treatise on the Conic Sections by the methods of Co-ordinate Geometry.

## Analytical Geometry of three dimensions and Differential Geometry :—

Smith: Elementary Treatise on Solid Geometry.

Bell: Elementary treatise on co-ordinate Geometry of three dimensions.

## Differential Equations :—

Piaggio: Elementary Treatise on Differential Equations.

Farsyth: Treatise on Differential Equations.

## Differential and Integral Calculus :—

Gibson: Elementary Treatise on the Calculus.

Lamb: Infinitesimal Calculus.

Williamson: Elementary Treatise on the Differential Calculus.

Williamson: Elementary Treatise on the Integral Calculus.

Goursat: Mathematical Analysis Vol. I.

## Theory of Functions of real and Complex variable :—

Hardy: Pure Mathematics.

Goursat: Mathematical Analysis Vol. I and Vol. III  
Part I.

Wittakar and Watson: Modern Analysis.

## Elliptic Functions :—

Dixon: Elementary Properties of the Elliptic Functions.

Wittaker and Watson: Modern Analysis.

## Fourier Series :—

Carslaw: Theory of Fourier Series and Integrals.

Whittaker and Watson: Modern Analysis.

## Attractions :—

Minchin: Treatise on Statics, Vol. II.

Routh: Treatise on Analytical Statics, Vol. II.

## Electricity and Magnetism :—

Jeans: Mathematical Theory of Electricity and Magnetism.

Pidduck: Treatise on Electricity.

Livens: Theory of Electricity.

## Statics :—

Loney: Treatise on Statics.

Lamb: Statics.

Minchin: Treatise on Statics Vols. I and II.

## Dynamics of a Particle :—

Loney: Treatise on the Dynamics of a Particle and of Rigid Bodies.

Love: Theoretical Mechanics.

Beasant and Ramsey: Treatise on Dynamics.

## Rigid Dynamics :—

Loney: Treatise on the Dynamics of a Particle and of Rigid Bodies.

Beasant and Ramsey: Treatise on Dynamics.

Routh: Rigid Dynamics, Part I.

## Hydrostatics :—

Beasant and Ramsey: Treatise on Hydromechanics  
Part I Hydrostatics.

## Hydrodynamics:—

Lamb: Hydrodynamics.

Beasant and Ramsey: Treatise on Hydromechanics  
Part II Hydrodynamics.

## Spherical Trigonometry:—

Todhunter and Leathem: Spherical Trigonometry.

## Spherical Astronomy:—

Godfray: Treatise on Spherical Astronomy.

Ball: Treatise on Spherical Astronomy.

## Optics:—

Health: Treatise on Geometrical Optics.

Herman: Optics.

Ramsay: Optics.

—



## FACULTY OF SCIENCE.

### *B. Sc. Examination.*

#### ENGLISH.

1345—1346 F. (1936—1937).

#### Non-Detailed Texts:—

1. Boswell and Johnson (The King's Treasures of Literature Series. Dent and Sons).
2. The Living Past by F. S. Marvin (Oxford University Press).
3. Sheridan's The School for Scandal, edited by G. B. Bose (Edward Arnold or Macmillan's Classics).

1346—1348 F. (1937—1939).

#### Non-Detailed Texts:—

1. Boswell and Johnson (The King's Treasures of Literature Series: Dent & Sons).
2. Hoyland's History of Civilization. (Latest Special Edition for Muslim University) Oxford University Press.
3. Sheridan's The School for Scandal, Edited by G. B. Boas (Edward Arnold or Macmillan's Classics).

#### PHYSICS.

1345—1346 F. (1936—1937)

No text-books are prescribed. The following books are recommended for reference:—

1. Watson's text-book of Physics.
2. Duncan and Starling's Text-book of Physics (Osmania University Series).
3. Allan and Moore's Practical Physics (Osmania University Series).
4. A course in Mathematics for Physics students, compiled by Professor Abdur Rahman Khan.

#### PHYSICS (MAIN)

1347 --1348 F. (1938—1939)

1. Richardson's Sound.
2. Saha & Srivastava's Junior Heat.

3. Hutchinson's Electricity and Magnetism in 2 volumes.
4. Houston's Treatise on Light. Portion dealing with Geometrical Optics only.
5. Worsnop and Flinls Practical Physics.
6. The book on "Physical Optics" compiled by Mr. M. A. Rahman Khan.
7. Properties of Matter compiled by Messrs. Syed Ali Khan and Syed Abdur Rahman.

#### PHYSICS (SUBSIDIARY)

1. Duncan and Starling's Text-book of Physics (Osmania University Series).
2. Allen and Moore's Practical Physics (Osmania University Press).

#### CHEMISTRY (MAIN).

1345—1348 F. (1936—1939).

- |  |                    |
|--|--------------------|
| 1. Inorganic Chemistry by Partington.                        | (Osmania           |
| 2. Systematic Inorganic Chemistry by Caven and Lander.       | University Series) |
| 3. Introduction to Physical Chemistry by Walker.             | "                  |
| 4. Outline of Chemistry by Fenton.                           | "                  |
| 5. Organic Chemistry by Perkin and Kipping                   | "                  |
| 6. Practical Organic Chemistry by Cohen.                     | "                  |
| 7. Systematic Qualitative Analysis by Caven.                 | "                  |
| 8. Quantitative Analysis and Inorganic preparation by Caven. | "                  |

#### CHEMISTRY (SUBSIDIARY)

1345—1348 F. (1936—1939)

- |  |   |
|--|---|
| 1. Inorganic Chemistry by Alexander Smith, Parts I and II. | " |
| 2. Theoretical Organic Chemistry by Cohen.                 | " |
| 3. Text-book of Physical Chemistry by Firth.               | " |
| 4. Practical Chemistry by Bruce and Harper                 | " |

#### MATHEMATICS.

1345—1348 F. (1936—1939)

The following books are recommended:—

- |  |   |
|--|---|
| 1. Higher Algebra by Hall and Knight.    | " |
| 2. Plane Trigonometry by Loney, Part II. | " |

3. Co-ordinate Geometry by Grace and Rosenberg. "
4. An Elementary Treatise on the Calculus by Gibson "
5. Chapters on Differential Equations from Edward's Integral Calculus. "

**Applied Mathematics:—**

1. Elements of Statics by Loney.
2. Elements of Dynamics by Loney.
3. Elements of Hydrostatics by Loney.
4. Elements of Astronomy by Parker.

**BOTANY (MAIN)**

1345—1348 F. (1936—1939)

Scott	.. Structural Botany Vols. 1 & 2.
Coulter Barnes and Cowles	.. Text-book of Botany Vols. 1, 2 and 3.
Strasburger	.. Text-book of Botany.
Strasburger and Hillhouse	.. Practical Botany.
Green	.. Vegetable Physiology.
Caver	.. Practical Botany.
Dendy	.. Outline of Evolutionary Biology.
Locke	.. Variation, Heredity and Evolution.
Punnett	.. Mendelism.
J. R. Green	.. Manual of Botany Vols. 1 & 2.
Bower	.. Botany of the Living Plant.
Haberlandt	.. Physiological Plant Anatomy.

**BOTANY (SUBSIDIARY)**

**Books recommended:—**

1. Coulter Barnes and Cowlen. Text-book of Botany. Vols. 1, 2 and 3.
2. Lowson and Sahani .. Text-book of Botany.
3. Strasburger .. Text-book of Botany.
4. Scott .. Structural Botany.
5. Dendy .. Outlines of Evolutionary Biology.

**ZOOLOGY (MAIN)**

1345—1346 F. (1936—1937)

Shipley and MacBride	.. Zoology.
Parker and Haswell	.. Text-book of Zoology Vols. I and II.

Bourne	.. Comparative Anatomy of Animals, Vols. I and II.
Parker and Bhatia	.. Text-book of Zoology for Indian students.
Borradaile	.. The Animal and its environments.
Kingsley or Wiederheim	.. Comparative Anatomy of Vertebrates.
Dendy	.. Elements of Evolutionary Biology.
Marshall	.. The Frog.
Marshall and Hurst	.. Practical Zoology.
The Indian Zoological Memoirs,	

#### ZOOLOGY (SUBSIDIARY)

##### *Books recommended:—*

Parker and Haswell	.. Text-book of Zoology, Vols. I and II.
Borradaile	.. Manual of Zoology.
Marshall	.. The Frog.
Parker and Bhatia	.. Text-book of Zoology for Indian students.
Thomson	.. Outlines of Zoology.
Marshall and Hurst	.. Practical Zoology.
The Indian Zoological Memoirs.	

#### MUSLIM THEOLOGY OR MORALS.

##### (A) Theology (for Hanafi students):—

The following syllabus is prescribed:—

مذہب۔

اس کی عام حقیقت غرض و غایت۔ مذہب کا علوم عقلیہ یعنی حکمت (سائنس) اور فلسفہ سے تعلق۔ فلسفہ کے مسلک مادیات کا اثر مذہب پر۔ مسلک مادیات کے سمجھنے کے لئے خود مادہ پر بحث۔ دین فطرت یعنی اسلام۔ یورپ کے اثرات سے مذہب کیوں گھٹ رہے ہیں۔ وجود باری اور اس کے یقین کے اسباب۔

خلق عالم - خالق و مخلوق کا باہمی تعلق - ربوبیت و قیومیت کے مظاہر - توحید - صفات -

روح و ملائکہ -

روح کی حقیقت - اس کے احوال و آثار - اس کی بقا - ملائکہ کی حقیقت پر بحث - جن و شیاطین کی حقیقت -

رسالت -

نبوت کی حقیقت - اس کی ضرورت و غایت - رسول کی پہچان - اس کی تعلیم و کتاب - معجزات اور ان کے لواحق، امکان - وجود، شہادت، ان کا دلیل نبوت ہونا - وحی - الہام عموم نبوت محمدیہ - ختم نبوت - نسخ ادیان - خلافت الہیہ -

معاد -

سزا و جزا - عذاب قبر - قیامت - جنت و دوزخ - تقدیر - جبر و اختیار - خیر و شر - شریعت و طریقت -

کلام مجید و احادیث پر ان کی بناء - ان کے اختلافات کی نوعیت -

(۱) سورہ بقرہ (جو عنوانات مباحث کلامیہ کے لئے متعلق ہیں ان کی حسب موقع تفصیل کی جائے)

(۲) برائے مطالعہ سرسری -

دین و دانش (مولوی محمود علی صاحب)

حکمت اسلامیہ (مولوی عبد القدیر صاحب)

*M. Sc. EXAMINATION.*

## 1. CHEMISTRY:—

1. Theoretical Chemistry by Nerrest.
2. Inorganic Chemistry by Hoffmann.
3. Organic Chemistry by Berntsen.
4. Advanced Organic Chemistry by Cohen.
5. History of Chemistry by Thorpe, 2 Vols.
6. Electro-Chemistry by Le-Blanc.
7. Radio-Activity by Hevesy and Paneth.
8. An Experimental course of Physical Chemistry by Spenser, 2 Vols., pages 516.
9. Practical Organic Chemistry by Sudborough & James.
10. Quantitative Analysis by Clowes and Colerman.
11. Qualitative and Quantitative Analysis by Treadwell and Hall, 2 Vols.
12. Outlines of Industrial Chemistry by Throp.

In addition to the text-books already mentioned, the following books are recommended for the final year:—

1. Inorganic and Theoretical Chemistry by Mellor.
2. A Text-book of Inorganic Chemistry edited by Newton.
3. Organic Chemistry by Richter.
4. Physical Chemistry by Taylor, 2 Vols.
5. A Text Book of Physical Chemistry edited by Mr. William Ramsay.
6. New Ideas on Inorganic Chemistry by Werner.
7. Inorganic Chemistry by S. Ephraim translated by Thorn.
8. Electro-Chemistry by Creighton and Fink. 2 Vols.
9. Chemistry of Nitrogen by Sidgwick.
10. Systematic Organic-Chemistry by Cumming, Hopper and Wheeler.
11. Practical Methods of Organic Chemistry by Gatterman.
12. Radiotactive substances and their radiations by E. Rutherford.
13. Radiotactivity by Hevesy and Pavelts.
14. Bragg's X-rays and Crystal Structure.
15. Moriuari's Chemistry.

## (2) PHYSICS:—

No Text-books are prescribed; but the following books are suggested as indicative of the scope of the subjects required for study. Candidates are required to study the original papers

and to remain in touch with modern developments of Physics:—  
General Physics:—

Haas: Theoretical Physics.  
Poynting and Thomson: Properties of Matter.  
Jeans: Dynamical Theory of Gases.  
Barton: Analytical Mechanics.  
Newman and Searle: Properties of Matter.

Sound:—

Barton: Sound.  
Wood: Text-book of Sound.  
Rayleigh: Sound.  
Richardson: Sound.

Heat: —

Preston: Theory of Heat.  
Saha: Text-book of Heat.  
Roberts: Heat and Thermodynamics.  
Shilling and Partington: Specific Heat of Gases.  
Planck: Thermodynamics.

Optics:—

Preston: Theory of Light.  
Drude: Optics.  
Wood: Physical Optics.  
Baly: Spectroscopy.

Magnetism and Electricity:—

Pohl: Electricity and Magnetism.  
Pidduck: Treatise on Electricity.  
Jeans: Mathematical theory of Electricity and Magnetism.  
Starling: Electricity and Magnetism.  
Stoner: Magnetism and Atomic Structure.  
Abraham: Classical Theory of Electricity and Magnetism,  
translated by J. Dongall.

Modern Electricity:—

Wilson: Modern Physics.  
Andrade: Structure of the Atom.  
Growther: Ions, Electrons and Ionising Radiations.  
J. J. Thomson: Conduction of Electricity through Gases.  
Rutherford: Radiations from Radioactive substances.  
Aston: Isotopes.  
Sommerfeld: Atomic Structure and Spectral lines.  
Richardson: Electronic theory of Matter.

Bragg: X-Ray and Crystal Structure.

Compton: X-Ray.

De Broglie: X-Ray.

**Practical Physics:—**

Watson: Text-book of Practical Physics.

Worsnop and Flint: Advanced Practical Physics for students.

**(3) ZOOLOGY:—**

Books\*, journals\* and periodicals\* recommended for reading or reference in connection with the M. Sc. Examination in Zoology:—

**(A) Comparative Anatomy of Vertebrata and Invertebrata.**

Parker and Haswell: Text Book of Zoology. Vols. 1 & 2.

Kingsley, or Wiedersheim and Parker: Comparative Anatomy of Vertebrates.

Lankester: Treatise on Zoology. (Series)

Cambridge: Natural History Series.

Sedgwick: Students' Text-Book of Zoology, 3 Vols.

Goodrich: Structure and Development of Vertebrates.

De Beer: Vertebrate Zoology.

The Indian Zoological Memoirs and the L. M. B. C: Memoirs.

**(B) General Biology and Evolution.—**

Darwin: The Origin of Species.

Wiesmann: The Evolution Theory.

Lock: Variation, Heredity and Evolution.

Smith, J.: The Primitive Animals.

Loey: Biology and its Makers:

Poulton: Essays on Evolution.

Keeble: Plant Animals.

Willey: Convergence in Evolution.

Borradaile: The Animal and its Environment.

Watson: Evolution.

Osborn: From Greeks to Darwin.

Osborn: Origin and Evolution of Life.

Jordan and Kellog: Evolution and Animal Life.

Driesch: History and Theory of Vitalism.

Kellog: Darwinism to-day.

Lull: Organic Evolution.

Russell: Form and Function.

Hloyd Morgan: Instinct and Experience.

Gaskell: On the Origin of Vertebrates.



- Darwin: Descent of Man.  
 Dendy: The Biological Foundations of Society.  
 Goodrich: The Evolution of Living Organisms.  
 Cunningham: Hormones and Heredity.  
 Pearson: The Chances of Death and Other Studies in  
     Evolution. Vols. 1 and 2.  
 Chambers: Vestiges of Creation.  
 Herbert: The First Principles of Evolution.  
 Wallace: Darwinism.

(C) Heredity, Genetics, Mendelism, Sex, etc.—

- Thomson: Heredity.  
 MacBride: Introduction to the Study of Heredity.  
 Doncaster: Heredity in the Light of Recent Research.  
 Doncaster: The Determination of Sex.  
 Kerr and Agar: Lectures on Sex and Heredity.  
 Loeb: Artificial Parthenogenesis.  
 Morgan: Heredity and Sex.  
 Thomson and Geddes: Sex.  
 Punnett: Mendelism.  
 Darbishire: Breeding and Mendelian Discovery.  
 Castle, Coulter and Davenport: Heredity and Eugenics.  
 Lillie: Problems of Fertilization.  
 Newman: The Biology of Twins.

(D) Cytology and Embryology. --

- Agar: Cytology.  
 Wilson: The Cell in Development and Inheritance.  
 Doncaster: Cytology.  
 Kellicott: Outlines of Chordata Development.  
 MacBride: Embryology—Vol. 1.  
 (Graham Kerr: Embryology—Vol. 2.  
 Asseton, Hill and Wilson: Embryology—Vol. 3.  
 Jenkinson: Vertebrate Embryology.  
 Lillie: Development of Chick.  
 Morgan: Regeneration.  
 Marshall: Vertebrate Embryology.

(E) Distribution.—

- Heilprin: The Distribution of Animals.  
 Beddard: Zoogeography.  
 Lankester: Extinct Animals.  
 Wallace: The Geographical Distribution of Animals. Vols.  
     1 and 2.  
 Wallace: Island Life.  
 Gadow: The Wanderings of Animals.

## (F) Microtechnique:—

Gatenby and Cowdry—Bolles Lee's Microtome's Vade-Mecum.

Candidates are expected to be familiar with the current journals and periodicals which will be suggested by the Professor from time to time; he will also advise them as to which books, journals, or portions thereof are to be read.

## (4) Botany:—

Books, Journals and Periodicals recommended for reading or reference.

## Systematic:—

Engler: Das Pflanzenreich.

Engler and Prantl: Die Natürlichen Pflanzenfamilien.

Cooke: Flora of the Bombay Presidency.

Hooker: Flora of British India.

Roxburgh: Flora Indica.

Duthie: Flora of the Upper Gangetic Plain.

Partridge: Forest Flora of Hyderabad.

Kirtikar: Indian Medicinal Plants.

Brandis' Indian Trees.

Watt: The Commercial Products of India.

Rendle: Classification of Flowering Plants, Vols. I & II.

## General:—

Strasburger: Text-Book of Botany.

Campbell: University Text-Book of Botany.

Bowen: Origin of a Land Flora.

Scott: Studies in Fossil Botany.

Seward: Fossil Plants.

Darwin: Forms of Flowers.

Coulter and Chamberlain: Morphology of Gymnosperms and Angiosperms.

Coulter Barnes and Cowles: Text-Book of Botany, Vols. I, II and III.

Willis: Flowering Plants and Ferns.

Haberlandt: Physiological Plant Anatomy.

Seward A. C.: Plant Life through the ages (Camb: Univ: Press, 1934).

## Algae:—

West-Algae. Vol. 1.

West and Fritish: British Fresh water Algae.

**Fungi:—**

- Gaumann and Dodge: Comparative morphology of Fungi.  
 Gwynne: Vaughan H; Fungi, Ascomycetes, etc.  
 Stevens: Fungi and Plant Disease.  
 Butler: Fungi and Disease in Plants.  
 De Bary: Comparative Morphology of the Fungi, etc.  
 Gwynne: Vaughan and Barnes. Fungi.

**Bryophyta:—**

- Campbell: Mosses and Ferns.  
 Cavers: Inter-relationships of the Bryophyta.  
 Kashyap: Liverworts of the Western Himalayas and the Punjab Plain, Parts I and II.

**Pteridophyta:—**

- Christ: Die Farkrauter der Erde Die geographie der Farne.  
 Bower: The Ferns.  
 Blatter and Alucida: The Ferns of Bombay.

**Gymnosperms:—**

- Pearson: Gnetals (Camb: Univ: Press).  
 Coulter and Chamberlain: Morphology of Gymnosperms.  
 Chamberlain: The Living Cycads.

**Plant Physiology and Ecology:—**

- Stiles: Photosynthesis.  
 Bose: Physiology of Photosynthesis.  
 Bose: Physiology of Ascent of Sap.  
 Bose: Nervous Mechanism of Plants.  
 Dixon: Transpiration and the Ascent of Sap.  
 Kostychev: Plant Respiration.  
 Barton Wright: Recent Advances in Plant Physiology.  
 Miller: Plant Physiology.  
 Palladin: Plant Physiology.  
 Schimper: Plant Geography.  
 Warming: Ecology of Plants.

**General Biology and Cytology:—**

- Dendy: Outlines of Evolutionary Biology.  
 Bateson: Mendel's Principles of Heredity.  
 Thomson: Heredity.  
 Punnet: Mendelism.  
 Darwin: Origin of Species.

Wallace: Darwinism.

Weismann: The Evolution Theory.

Coulter & Coulter: Plant Genetics.

Sharp, Cytology.

For Practical:—

Chamberlain: Methods in Plant Histology.

Strasburger: Practical Botany.

Bower: Practical Botany.

Darwin & Action: Practical Physiology of Plants.

Detmer & Moore: Plant Physiology.

Journals and Periodicals:—

Important Journals and periodicals may be recommended from  
time to time by the Professor.

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FACULTY OF THEOLOGY.  
MATRICULATION EXAMINATION

1345—1348 F. (1936—1939)

Text books in English, History of India, Geography, Elementary Mathematics and Arabic are the same as for the Faculty of Arts.

سنہ ۱۳۴۵ ف - ۱۹۳۶ ع

(۱) عقائد و منطق

عقائد فقہ اکبر امام ابوحنیفہ (زبان عربی) اساتذہ کو چاہئے کہ شرح ابو منصور ماتریدی کو پیش نظر رکھ کر طلبہ کو اس مضمون کو سمجھائیں۔

مبادی منطق - ترجمہ مراقاة - مصنفہ مولانا فضل امام صاحب (۲) فقہ و حدیث

الف - فقہ ملتقی - الابجر (شائع کردہ انجمن اشاعت العلوم مدرسہ نظامیہ حیدرآباد) کے ابواب ذیل۔

کتاب الطہارۃ	کتاب الصلوٰۃ	کتاب الزکوٰۃ
” الصوم	” الحج	” النکاح
” الرضاۃ	” الطلاق	” الايمان
” الصيد والذبايح	” الاضحية	” التکراهۃ
” الوقف		

ب - حدیث - الادب المفرد از امام بخاری

سنہ ۱۳۴۶-۱۳۴۸ ف - (۱۹۳۷-۱۹۳۹ ع)

(۱) عقائد۔

فقہ اکبر امام ابوحنیفہ (زبان عربی) -  
(اساتذہ و چاہئے کہ شرح ابو منصور ماتریدی کو پیش نظر رکھ کر طلباء کو اس مضمون کو سمجھائیں)

(۲) فقہ و حدیث

ان فقہ - قدوری کے ابواب ذیل -

کتاب الطہارۃ	کتاب الصلوٰۃ	کتاب الزکوٰۃ
» الصوم	» الحج	» النکاح
» الرضاعہ	» الطلاق	» الایمان
» الصيد والذبائح	» الاضحیۃ	» الکراہۃ
» الوقف		

ب - حدیث - الادب المفرد از امام بخاری

### INTERMEDIATE EXAMINATION

1345—1348 F. (1936—1939).

1. Text books in English and Arabic languages are the same as for the Faculty of Arts.

(۱) فقہ و اصول فقہ :-

(الف) فقہ - ملتی الابحر کامل

فرائض - سراجی بحذف مولا مولالاہ اور مولی العتاقہ -

(ب) اصول فقہ - اصول شاشی -

(۲) تفسیر و حدیث -

الف - تفسیر -

قرآن شریف کی حسب ذیل سورتیں پڑھی جائیں -

(۱) سورۃ بقرہ (۲) سورۃ نساء (۳) از سورۃ قاف تا آخر

ب - حدیث -

کتاب الدین

(۳) عقائد معہ مبادیات حکمت

الف - \* عقائد اصول معالم الدین

ب - منطق - مرقاۃ

\* (مولوی عبدالحق صاحب تفسیر حقانی کی کتاب عقائد الاسلام کے

مطالعہ کی سفارش کی جاتی ہے) -

## B. A. EXAMINATION.

1345—1348 F. (1936—1939).

Text-books in English and Arabic languages are the same as for Faculty of Arts.

## (۱) فقہ و اصول فقہ

(الف) فقہ ہدایہ آخرین سے ابواب ذیل :-  
 از کتاب البیوع تا ختم کتاب الصرف  
 از کتاب آداب القاضی تا ختم کتاب الشہادت  
 از کتاب الدعوی تا ختم کتاب الاقرار  
 از کتاب النصب تا ختم کتاب الشفعہ  
 کتاب القود و کتاب الرهن

(ب) اصول فقہ - مرآة الاصول شرح مرآة الاصول

(۲) مندرجہ ذیل مضامین سے ایک :-

الف - تفسیر -

(۱) بیضاوی شریف (سورہ بقرہ)

(۲) قرآن مجید باستثناء ان سورتوں کے جو امتحان

انٹرمیڈیٹ کے لئے مقرر ہیں

ب - حدیث

ترمذی شریف (کاہل)

ج - کلام -

(۱) اساسی التقدیس امام رازی

(۲) حجة الله البلاء قسم اول کے ابواب ذیل :-

خدا کی صفت ابداع خلق - تدبیر عالم - مثال ملا اعلیٰ - سنت اللہ - روح کی حقیقت - سرائتکائف - تکلیف کا تقدیر سے نکلنا - پیدائشی اختلاف کی وجہ سے لوگوں کے اخلاق، اعمال، مراتب کا مختلف ہونا - اعمال کی نفس کے ساتھ چسپیدگی اور انکی یادداشت نفس میں - اعمال کا ملکات نفسانی سے تعلق - دنیا میں اعمال کی سزا - موت کی حقیقت -

سعادت - سعادت کے حاصل کرنے میں لوگ مختلف ہوا کرتے ہیں حصول سعادت کے طریقے - ان اصول کی توضیح جو دوسرے طریقے کیلئے مدار و مرجع ہیں - ان اصول کے حاصل ہونے کے ذرائع - حجابات کی تفصیل جو فطری امور کے ظاہر ہو نیسے مانع ہوتے ہیں - ان حجابات کے رفع کرنے کے طریقے - نیکو، اور گناہ کی حقیقت - توحید - حقیقت شرک - شرک کے اقسام - خدا مے تعالیٰ کی صفات - تقدیر - ایمان لانا کہ عبادت بندوں پر خدا مے تعالیٰ کا حق ہے - خدا کے نشانات اور شعائر اللہ کی تعظیم - گناہوں کی خرابیاں ان گناہوں کی تشریح جو نفس کی حالت سے متعلق ہوتے ہیں - ان گناہوں کی تفصیل جنکا تعلق لوگوں سے ہوتا ہے - مذہبی رہنماؤں کی ضرورت نبوت کی حقیقت ایک ایسے مذہب کی ضرورت ہوا کرتی ہے جو اور مذہب کا ناسخ ہو - اسباب نسخ - مذہب کو اس طرح پختہ کرنا کہ اس میں تحریف ورد و بدل نہ ہو سکے کتب حدیث کے طبقات - مختلف حدیثوں میں فیصلہ فقہاء کے مذاہب مختلف ہونے کے اسباب -



## M. A. EXAMINATION

1345—1348 F. (1936—1939).

## (A) کلام و عقائد

The following books are recommended:—

- (۱) عبقات از مولوی محمد اسماعیل صاحب دہلوی
- (۲) الرد علی الدھرین از سید جمال الدین افغانی
- (۳) تاریخ مذاہب اسلام از مولوی نجم الغنی خان
- (۴) حکمت اسلامیہ از مولوی عبد القدیر صاحب
- (۵) علم الکلام از مولانا شبلی
- (۶) رسالہ حمید یہ از محمد جسر طرابلسی
- (۷) دین و دانش از محمود علی کپور تہلہ
- (۸) دین و دولت ” ”
- (۹) دین و آئین ” ”
- (۱۰) معرکہ مذہب و سائنس - ترجمہ ظفر علی خان

## (B) تفسیر

The following books are recommended:—

- (۱) تفسیر کشاف (منزل اول و منزل آخر)
- (۲) بیضاوی (منزل دوم سوم چہارم پنجم و ششم)
- (۳) اعجاز القرآن للباقلائی
- (۴) احکام القرآن ابن عربی ج - ۱
- (۵) اتقان کے انواع ۱۳-۲۹-۳۶-۳۷-۳۸-۴۰-۴۲
- (۶) تاریخ القرآن مفتی عبد الطیف صاحب رحمانی تاریخ صحف سماویہ

(C) حدیث بشمول سیرت و اصول حدیث

The following books are recommended:—

- حدیث (۱) بخاری شریف  
 (۲) حدیث مسلم  
 (۳) شرح معانی الآثار طحاوی  
 (۴) ابو داؤد  
 اصول حدیث (۱) مقدمہ ابن صلاح  
 (۲) مقدمہ فتح الباری فصل ۱-۲-۳ تا ابواب  
 صفة الصلاة وفصل ۸-۹

(D) فقہ و اصول فقہ

The following books are recommended:—

- فقہ (۱) الصنائع والبدائع کے ابواب ذیل :-  
 کتاب الطہارۃ کتاب الصلوٰۃ  
 کتاب الزکوٰۃ کتاب الصوم  
 کتاب الحج کتاب الوقف  
 (۲) بدایۃ المجتہد - بحذف ابواب جو کتاب بدائع الصنائع  
 میں شریک نصاب ہیں -  
 (۳) مجلۃ الاحکام  
 (۴) آثار السنن  
 اصول فقہ - مسلم الثبوت

FACULTY OF LAW

LL.B. EXAMINATIONS.

1345—1348 F. (1936—1939).

*Previous Examination:—*

1st Paper	Leage's Roman Law.
2nd "	Dicey's Constitutional Law.
3rd "	Anson's Law of Contract. The Contract Act. (Hyderabad).
4th "	Salmond on Torts. Indian Easements Act.
5th "	The Evidence Act. (Hyderabad). Best on Evidence; Mukerji on Evidence.
6th "	The Penal Code. (Hyderabad). The Criminal Procedure Code. (Hyderabad).

*Final Examination:—*

1st Paper	Muhammadian Law by (a) Mulla and (b) Ghayatul-Autor—Kitabul Fariaz. Ghayatul-Autor—Kitabul Faraiz.
2nd "	Usuli-Dharam Shastar by Baijanth. Main's Hindu Law.
3rd "	The Indian Trust Act. Specific Relief Act Hyderabad.
4th "	Quantum Malguzari Arazi, Act No. 9 of 1317 F. Law of transfer of property. Civil Procedure Code. (Hyderabad).
5th "	Law relating to Civil Courts in H.E.H. the Law of transfer of property. Indian Limitation Act.
6th "	Salmond's Jurisprudence. Lawrance's Principles of International Law.

In the first paper for the Previous Examination and in every paper for the Final Examination, 40 marks shall be allotted to questions framed with a view to test the ability of candidates to apply more important legal principles to concrete cases. Full credit shall be given for well-reasoned answers to such questions even if the conclusion happens to differ from the views taken in decided cases. No credit shall be given for bare answers not supported by arguments.

## FACULTY OF MEDICINE

### *M. B. B. S. EXAMINATIONS:—*

The following books are recommended:—

1. Gray's Anatomy.
2. Cunningham's Practical Anatomy.
3. Halliburton's Text-book of Physiology.
4. Schafer's Histology.
5. Sharpy-Schafer's Experimental Physiology.
6. Halliburton's Chemical Physiology.
7. H. Hyder Ali Khan—Elements of Embryology.
8. Ghosh—Hygiene and Public Health.
9. Dixon-Mann—Forensic Medicine and Toxicology.
10. Lyon's Medical Jurisprudence for India.
11. Cushny—Pharmacology and Therapeutics.
12. Clark—Applied Pharmacology.
13. Ghosh—Materia Medica.
14. Taylor—Medicine.
15. Rose and Carless—Surgery.
16. Muir—Text-book of Pathology.
17. Shennan—Post-Mortem and Morbid Anatomy.
18. Muir and Ritchie—Bacteriology.
19. Mauson—Tropical Diseases.
20. Hushinson and Hunter—Clinical Methods.
21. Waring—Manual of Operative Surgery.
22. Boyd's Surgical Pathology.
23. Massie—Surgical Anatomy.
24. May & Worth—Diseases of the Eye.
25. Turner—Ear, Nose & Throat.
26. Ten Teachers—Midwifery.
27. Ten Teachers—Diseases of women.
28. Eden & Lockyer—Gynaecology.

## FACULTY OF ENGINEERING.

### *B. E. Examinations.*

No Text-books are prescribed.

Detailed Syllabuses in different subjects are given in Appendices.

## FACULTY OF EDUCATION.

The following books are recommended:—

### PRINCIPLES OF EDUCATION AND ELEMENTARY

#### EDUCATIONAL PSYCHOLOGY.

- |            |   |
|------------|---|
| Betts      | .. Mind and its Education. (Appleton).                |
| Gates      | .. Psychology for Students of Education. (Macmillan). |
| Klapper    | .. Contemporary Education. (Appleton).                |
| Reudiger   | .. The Principles of Education. (Harrap).             |
| T. P. Nunn | .. Education—Its data and First Principles. (Arnold). |
| Dewey      | .. How we think.                                      |
| Dewey      | .. School and Society. (Chicago N. P.)                |

#### SCHOOL MANAGEMENT AND HYGIENE.

##### SCHOOL MANAGEMENT.

- |      |  |
|------|--|
| Bray | .. School Organisation. (Tutorial Press).                    |
| Wren | .. Indian School Organisation. (Longman)                     |
| West | .. Indian School Management and Inspection (K. & J. Cooper). |

##### HYGIENE.

- |          |  |
|----------|--|
| Kerr     | .. School Hygiene. (Allen & Co.)           |
| Ross     | .. Hygiene for Indian Schools.             |
| Drummond | .. School Hygiene. (E. Arnold & Co.)       |
| Lyster   | .. Hygiene of the School (Tutorial Press). |
| Shaw     | .. School Hygiene (Macmillan).             |

### HISTORY OF EDUCATIONAL IDEAS AND SELECT

#### CLASSICS IN EDUCATION.

- |        |  |
|--------|--|
| Monroe | .. A Text Book in the History of Education. (Macmillan). |
| Boyd   | .. History of Western Education. (Black).                |

- Adamson .. A Short History of Education. (C. U. Press).  
 Graves .. Great Educators of Three Centuries. (Macmillan).  
 Graves .. A Student's History of Education. (Macmillan).  
 Quick .. Educational Reformers. (Longmans).

## EDUCATIONAL CLASSICS.

- Rousseau .. Emile. (Dutton & Co.).  
 Plato .. Republic.  
 Locke .. On Education. (Macmillan).  
 Spencer .. Education. (Watts & Co.).  
 Dewey .. Democracy and Education. (Macmillan).

## METHODS OF TEACHING.

## PHYSICAL SCIENCE.

- Brown .. Teaching Science. (London University).  
 Westaway .. Science Teaching.  
 Smith and Hall.. Teaching of Chemistry and Physics. (Longmans).

## BIOLOGICAL SCIENCE.

To be prescribed later.

## HISTORY.

- Klapper .. Teaching of History. Appleton.  
 Johnson .. Teaching of History: Macmillan.  
 Jarvis .. Teaching of History. C. U. Press.  
 Keatings .. Studies in the Teaching of History (Blackwoods).  
 Findlay .. History and its Place in Education (University of London Press).  
 Allan .. Place of History in Education. (Blackwoods).

## GEOGRAPHY.

- F. L. Holtz .. The Principles and Methods of Teaching Geography. (F. L. Holtz, A.M.)  
 B. C. Wallis .. The Teaching of Geography. (Cambridge University Press).  
 J. Fairgreive .. Geography in School. (London University Press).  
 Tamaskar .. The Principles and Methods of Teaching Geography. (Jubbulpore Press).

- W. P. Welpton .. The Teaching of Geography. (University Tutorial Press).  
 J. Fairgreive .. Class-book of Practical Geography.  
 Steers .. Maps and Map-making.  
 B. C. Wallis .. Essentials of Practical Geography. (Macmillan & Co.).

#### MATHEMATICS.

- Monteith .. Arithmetic Teaching in the Infant and Junior Schools. Harrap.  
 Young .. Teaching of Mathematics. (Longman's Green & Co.).  
 Schultze .. The Teaching of Mathematics in the Secondary Schools (Macmillan Company).

#### ENGLISH.

- Mackenzie .. Instruction in Indian Secondary Schools. (Oxford Press).  
 Jespersen .. How to teach a Foreign Language. (Allen.)  
 Findlay .. Modern Language Learning. (Gregg.)  
 Batchelder .. Notes on the Teaching of English. (Macmillan).  
 Roberts & Barter. The Teaching of English. (Blackie.)  
 Carpenter .. The Teaching of English. (Longman's)  
 Ida Ward .. The Phonetics of English. (Heffer.)  
 Kitson .. Theory and Practice of Modern Language. (O.U.P.)

#### VERNA CULARS AND CLASSICAL LANGUAGES.

Urdu, Marathi, Telugu, Kanarese, and Indian Classical Languages.

The books on the teaching of English indicate the ground to be covered.

#### MODERN EDUCATIONAL SYSTEMS AND PROBLEMS.

- P. Sandiford .. Comparative Education. (Dent).  
 P. Monroe .. Articles in the Cyclopedia of Education. (Macmillan).  
 Dr. Ziauddin .. Systems of Education. (Longmans).  
 F. C. J. Hearnshaw .. Educational Advancement Abroad. (Harrap).  
 A. P. Newton .. Universities of the Empire. (Collins and Sons).

- F. W. Roman .. The New Education in Europe (Routledge)  
(Macmillan).
- C. F. Thwing .. Universities of the World. (Macmillan).
- Meyhew .. Education of India. (Macmillan).

#### ADVANCED EDUCATIONAL PSYCHOLOGY.

- Ellis .. Psychology of Individual Differences (Ap-  
pleton) pp. 74 to 128.
- Spearman .. Abilities of Man. (Macmillan).
- Terman .. Measurement of Intelligence.
- Psychological Tests of Educable Capacity.
- Report Consultative Committee.

- Sandiford .. Educational Psychology. (Longmans).
- Fox .. Educational Psychology. (Kegan Paul).
- Starch .. Educational Psychology. (Macmillan).
- Rugg .. Statistical Methods in Education.  
(Houghton Mifflin).
- Holzinger .. Statistical Methods in Education. (Ginn).
- Freeman .. Experimental Education. (Harrap).
- Valentino .. Experimental Psychology and Education.  
(Tutorial Press).
- Fox .. Practical Psychology.

#### CHILD EDUCATION.

- Kirkpatrick .. Fundamentals of Child Study. (Macmil-  
lan).
- Plaisted .. The Early Education of Children. (Ox-  
ford University Press).
- Picket & Baren .. Early childhood Education. (Harrap).
- Waddle .. Introduction to Child Psychology.  
(Harrap).
- L. M. Terman .. The Intelligence of School Children.  
(Harrap).
- Drummond .. The Child. His Nature and Nature. (Bed-  
ford Lond.)



## APPENDICES.

### 1. DETAILED SYLLABUSES.

#### MATRICULATION EXAMINATION.

#### COMPULSORY

##### 1. ELEMENTARY MATHEMATICS.

*Class VIII, Class IX, and Class X.*

- (a) *Arithmetic.* The four rules applied to integers, vulgar fractions, the decimal fractions in particular. Indian and English money, weights, measures of length, area volume, capacity and time; the metric system. Approximations. Contracted methods of multiplication of decimals. Simple forms of recurring decimals. Ratio and proportion and exchange. Percentage and its applications. Profit and loss. Simple Interest, and Compound Interest (direct problems only, number of periods for calculation not to exceed 2). Averages, Square root.
- (b) *Mensuration.* Elementary Mensuration of plane rectilinear figures (a knowledge of the use of field book not required); circles, surfaces and volumes of rectangular solids, right circular cylinder and cone (Frustum excluded); sphere.
- (c) *Algebra.* Algebraic quantities and extension of four fundamental rules to them—formal proofs not required. Symbolic expression of the general results of Arithmetic. Calculation of the numerical values of expressions and formulæ by substitution. Simple factors and formulæ.

$$(a+b)^2 = a^2 + 2ab + b^2$$

$$a^2 - b^2 = (a+b)(a-b)$$

$$(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$$

$$a^3 - b^3 = (a-b)(a^2 + ab + b^2)$$

Simple fractions with linear denominators. Linear equations involving one or two variables and problems relating thereto. Plotting statistics; linear graphs.

- (d) *Practical Geometry*:—Bisection of straight lines and angles, drawing perpendicular and parallels to a given straight line; construction of an angle equal to a given angle. Experimental deduction of the elementary properties of triangles and parallelograms. Simple cases of construction of triangles and quadrilaterals from given data. Elementary properties of the circle—areas, chords, sectors and tangents, construction for finding the centre of a circle or an arc of a given circle. Construction of tangents to a circle and common tangents to two circles. Very simple cases of construction of circles from given data. Construction of a circle in or about a triangle. Division of a straight line into any number of equal parts or into parts in a given proportion.

*N.B.*—The treatment of the subject matter should be elementary and popular. Only Laboratory methods of preparation are expected. All quantitative relations and mathematical calculations are to be avoided.

## 2. ELEMENTARY SCIENCE.

### (i) *Physics*.

- (a) *Preliminary*:—Units, British and Metric, for measurements of length, area and volume. Measurement of time, unit of time. Rectilinear translation of a rigid body; definition of velocity and acceleration. Laws of motion. Definition of momentum and force. Gravitation. Weight. Distinction between mass and weight. British and C. G. S. units of mass and force. The balance. General properties of matter. Density and specific gravity. Simple machines in equilibrium; levers, the single pulley. Properties of fluids. Liquid pressure. Principle of Archimedes. Pressure of the atmosphere. Boyle's Law. Barometer (Cistern) and pumps (simple forms of air pump and water pump). The siphon.
- (b) *Heat*:—Effects of heat: expansion of solids, liquids and gases. Temperature. Thermometers. The expansion of water. Distinction between quantity of heat and temperature. Calorimetry. Melting point. Cold produced by evaporation. Vapour pressure. Influence of pressure on boiling point of liquids. Transmission of heat: conduction, convection and radiation.

- (c) *Light*:—Rectilinear propagation of light, Reflection and refraction of light; refractive index. The formation of images by reflection. Graphic methods of determining the position and size of an image formed by reflection or refraction (applicable to plane and spherical surfaces). Deviation and dispersion produced by a prism (omit minimum deviation). Simple optical instruments: astronomical telescope, microscope, photographic camera and magic lantern.
- (d) *Magnetism*:—Magnets and magnetic substances. Induction, methods of magnetization, Terrestrial magnetism. Declination and its determination.
- (e) *Electricity*:—(1) Static electricity:—Electrification by friction. Pith-ball electroscope, Conductors and Non-Conductors. (2) Voltaic Electricity:—Production of electric current. Voltaic cell. Local action and polarization. Daniell, Leclanche and Bichromate cells. Galvanoscope, Electrolysis (omit Faraday's Laws), Voltmeter (water). Electromagnets. Electric bell. Heating effects of the current (omit Joule's law).

### (ii) *Chemistry.*

Elements, compounds and mixtures. Solution (in water only); decantation, filtration, evaporation and distillation; saturated solution, crystallization and water of crystallization; sublimation and precipitation. The use of these processes in the preparation of pure substances. Examples of physical and chemical changes. Combination and decomposition. The study of air—its composition, burning and rusting. Acids, bases, and salts; neutralization. Types of chemical changes. Metals and non-metals. The law of constant proportion. Preparation and properties of oxygen. Preparation and properties of hydrogen; oxidation and reduction. Study of water: natural waters, hard and soft waters, purification of drinking water, electrolysis of water. Preparation and properties of nitrogen, nitric acid and ammonia. Carbon. Preparation and properties of carbon dioxide. Combustion; structure of a candle flame. Sulphur and its properties. Preparations and properties of hydrogen sulphide, sulphur dioxide and sulphur trioxide. Preparation and properties of sulphuric acid. Phosphorus and its properties. Matches. Natural forms of silica; glass. Preparation and properties of Chlorine and of hydrochloric acid. Sodium, its occurrence and properties. Properties of sodium hydroxide, sodium chloride, sodium nitrate, sodium sulphate, sodium bicarbonate,

Potassium, its occurrence and properties. Properties of potassium hydroxide, potassium chloride, potassium chlorate and potassium nitrate. Preparation of soap.

Calcium carbonate; preparation and properties of calcium oxide and calcium hydroxide. Elementary ideas about lime, mortar, cement and bleaching powder.

Properties of Magnesium, magnesium sulphate and magnesium oxide. Copper, its occurrence and properties; preparation of copper sulphate.

Aluminium, its occurrence and properties; preparation and properties of aluminium sulphate and alum.

Mercury, its occurrence and properties. Properties of mercuric oxide, mercurous chloride and mercuric chloride. Lead its occurrence, and properties. Properties of litharge, red lead, lead carbonate and white lead.

Silver, its occurrence and properties, preparation and properties of silver chloride and silver nitrate. Uses of silver salts in electroplating and photography.

Iron, its occurrence, properties and uses. Properties and uses of cast iron and steel. Preparation and Properties of ferrous oxide, ferric oxide, magnetic oxide of iron and ferrous sulphate.

### 3. GEOGRAPHY.

General Geography of the World in outline, with special reference to the British Empire, together with India in fuller detail and the essentials of Physical Geography; Surface of the Earth; Volcanoes and Earthquakes, the Zones, Latitude and Longitude, Day and Night; the seasons; the Solar System; Phases of the Moon; waves, Tides and Currents.

### OPTIONAL

#### 4. ALGEBRA AND GEOMETRY.

- (a) *Algebra*:—Generalised Arithmetic. Algebraical laws and principles and their applications. Factors and Formulæ. Identities. Functional notation. Remainder Theorem and its applications. Linear equations in one, two, and three variables. Solution of Quadratic Equation in one variable. Solution of problems by means of such equations. H.C.F., L.C.M., fractions. Square root of simple rational integral functions. Theory of indices. Graphs

of linear and quadratic fractions, in one variable and their applications to the solution of equations and problems.

- (b) *Geometry*:—The course in Geometry will be both practical and theoretical. Practical geometry will include constructions given in Schedule 'A' together with easy extensions of them. Proofs of constructions will also be required. Theoretical Geometry will include theorems together with easy deductions from them. Any proof of proposition which appears to form part of a systematic treatment of the subject will be accepted. In the proof of theorems hypothetical constructions will be allowed. Symbols and Algebraic notation may be freely used.

#### SCHEDULE "A"

Bisection of straight lines and angles.

Construction of (1) perpendiculars, (2) parallels to straight lines. Construction of an angle equal to a given angle.

Simple cases of the construction of triangles and quadrilaterals from given data.

Division of straight lines into a given number of equal parts, or in any given ratio.

Construction of a rectangle equal in area to a given triangle.

Construction of a triangle equal in area to a given rectilinear figure.

Simple cases of the construction of circles from given data.

Construction of tangents to a circle and common tangents to two circles.

Construction of a square equal in area to a rectangle and geometrical extraction of square roots of rational numbers.

Construction of regular figures of 3, 4, 6, or 8 sides, (1) in or about a given circle and (2) on a given straight line.

Construction of (1) a fourth proportional to three given straight lines, (2) a mean proportional to two given straight lines.

#### SCHEDULE "B"

*Angles at a point*.—If a straight line stands on another straight line, the sum of the two angles so formed is equal to two right angles; and the converse.

If two straight lines intersect, the vertically opposite angles are equal.

*Parallel Straight Lines.*—When a straight line cuts two other straight lines, if (1) a pair of alternate angles are equal, or (2) a pair of corresponding angles are equal, or (3) a pair of the interior angles on the same side of the cutting line are together equal to two right angles, then the two straight lines are parallel and the converse.

### *Triangles and Rectilinear Figures.*

The sum of the angles of a triangle is equal to two right angles.

If the sides of a convex polygon are produced in order, the sum of the exterior angles so formed is equal to four right angles.

Two triangles are congruent.

(1) If two sides of the one are equal to two sides of the other, each to each, and also the angles contained by those sides equal.

(2) If two angles of the one are equal to two angles of the other, each to each, and also one side of the one equal to the corresponding side of the other.

If two sides of a triangle are equal, the angles opposite to these sides are equal; and the converse.

Two triangles are congruent if the three sides of the one are equal to the three sides of the other, each to each.

Two right-angled triangles are congruent, if their hypotenuses are equal and one side of the one is equal to one of the other.

If two sides of a triangle are unequal, the greater side has the greater angle opposite to it; and the converse.

The opposite sides and angles of a parallelogram are equal, each diagonal bisects the parallelogram and the diagonals bisect each other.

If the intercepts made by three or more parallel straight lines on any straight line that cuts them are equal then the corresponding intercept upon any other straight line that cuts them are also equal.

### *Area*

Parallelograms on the same base or on equal bases and of the same altitude are equal in area.

Triangles on the same base or on equal bases and of the same altitude are equal in area.

Equal triangles on the same base or on equal bases are of the same altitude.

The square on a side of a triangle is greater than, equal to or less than the sum of the squares on the other two sides according as the angle contained by these sides is obtuse, right or acute. The difference in the cases of inequality is twice the rectangle contained by one of the two sides and the projection on it of the other.

### *The Circle.*

A straight line drawn from the centre of a circle to bisect a chord which is not a diameter is at right angles to the chord; and the converse.

In equal circles (or in the same circle) :—

(1) If two arcs subtend equal angles at the centre they are equal and the converse.

(2) If two chords are equal, they cut off equal arcs; and the converse.

Equal chords of a circle are equidistant from the centre; and the converse.

The tangent at any point of a circle and the radius through that point are perpendicular to one another.

If two circles touch each other, the point of Contact lies on the straight line through their centres.

The angle which an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circumference.

Angles in the same segment of a circle are equal, and if the line joining two points subtends equal angles at two other points on the same side of it, the four points lie on the circumference of a circle.

The angle in a segment is greater than, equal to or less than a right angle according as the segment is less than, equal to or greater than a semicircle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary; and the converse.

If a straight line touches a circle, and from the point of contact a chord is drawn, the angles which this chord makes with the tangent are equal to the angles in the alternate segments.

If two chords of a circle intersect each other either inside or outside the circle, the rectangle contained by the segments of the one is equal to the rectangle contained by the segments of the other.

*Loci*.—The locus of a point which is equidistant from two fixed points is the perpendicular bisector of the straight line joining the two fixed points.

The locus of a point which is equidistant from two intersecting straight lines consists of the pair of straight lines which bisect the angles between the two given lines.

The locus of the vertices of all triangles which have the same base and their vertical angles equal to a given angle is the arc of a segment of a circle.

*Proportion*:—*Similar Triangles*:—(Proofs applicable only to commensurable quantities will be accepted).

If a straight line is drawn parallel to one side of a triangle, the other two sides are divided proportionally; and the converse.

If two triangles are equiangular their corresponding sides are proportional and the converse.

If two triangles have one angle of the one equal to one angle of the other, and the sides about these angles proportional, the triangles are similar.

The internal bisector of an angle of triangle divides the opposite sides internally in the ratio of the sides containing the angle, and likewise the external bisector externally.

## 5. COMMERCE.

### Elementary Book-keeping.

#### *Double Entry*.—

Its meaning, principles and advantages. Waste book, Journal and Ledger. Journalising transactions of the following descriptions.

Cash and Credit sales and purchases, Cash receipts and payments, Petty Cash disbursements, Bank Account, Cheques received and drawn, endorsed, honoured and dishonoured, rent, salaries, trade expenses, interest, discount, commission, repairs,



depreciation, bad debts, Bills of exchange, drawn, accepted, endorsed, honoured, dishonoured, noted, renewed, and retired under discount, Government and other securities, house property, plant and machinery, furniture, drawings.

Provision for bad debts and discount Suspense A/c Outstanding and Pre-payments.

Posting the journal entries into Ledger drawing a Trial balance, Profit and Loss A/c and Balance sheet.

### *English System—*

Subsidiary books and their use. Three columns cash book, Purchase and sales of books, Purchase Returns and Sales Returns books, Bill receivable and bills payable, Books Journal. Posting the subsidiary books into Ledger and drawing the balance sheet.

Inland and Foreign invoice and account sales Consignment A/c, Trading and Profit and Loss A/c Contract A/c, Partnership A/c of a simple nature such as admission of a partner and division of profits. Goodwill and its treatment on the admission of a partner.

Reserve and Reserve Fund.

Single entry system, its disadvantages. Method of finding profit under single entry, Statement of affairs.

### *Commercial Practices -*

The essentials of successful business management :—

Executive ability, system of administration and office facilities.

### *Office Organisation—*

Incoming correspondence, out-going correspondence, reference number, copying of correspondence for office reference, carbon copy, Press copy machine; folding letters and addressing envelopes. Enclosures. Late fee letters, Postage Box. Filing of correspondence:—Vertical filing, Alphabetical system and Numerical system Pigeonhole filing.--Flat file system, Clip, Box needle or spike, and arch file.

### *Indexing—*

Alphabetical index. Vowel index, cross reference index, Card index Drawers. Telephone and Telephone Register.

*Duplicating Process—*

Stencil copying, Rotary Duplicator.

Machines:—Calculating machine, Adding machine, Dictating machine.

Business Callers, Appointments.

Petty Cash Book.

*Purchases and Sales—*

Difference between an agreement and a contract. Essential points in a contract of sale.

*Documents used in Commercial Sales.*

Price list, Price current, Tenders, Orders, Indents, Contract notes, Delivery orders, Invoices, Account sales Debit and Credit notes, statements and Receipts.

*Correspondence—*

Private, business and official, Accuracy. Precision and politeness. Setting out a letter, address, form of salutation, body of the letter and complimentary close, signing the letter. Writing business letters of a simple nature such as enquiries, orders, despatch of goods, remittances complaints, etc.

**TELEGRAMS.**

Drafting telegrams—Economy and clearness.

Code words—cipher code.

*Money—*

Paper and metallic, Legal Tenders, Standard of Value. Methods of remitting money.

*Banks and Banking—*

Private Banks, Joint stock banks, Co-operative Banks, Exchange Banks, Imperial Bank of India, and Post Office Savings Banks, Business transacted by Banks.

Fixed deposit and current account. Advantage of a Banking account. How to open account with a Bank, Paying slips, Pass Book.

*Cheques—*

Order and Bearer, Crossed cheques and Not Negotiable cheques. Endorsement. General and special Presentment for payment; honour and dishonour; stopping payment.

## INLAND AND FOREIGN.

*Bills of Exchange—*

Drawing, accepting, honouring, dishonouring, noting, protesting and renewing. Advice slip. Currency of bill. Days of grace. Endorsement, Usance, Sola, Case of need. Promissory Note. Difference between Bill of Exchange and Promissory Note Alonge. I.O.U. Letter of Credit and Circular letter of Credit, Negotiable Instruments, Hundi. How money is transferred through a bill of Exchange.

*Mercantile Houses.*

Sole Traders, Firms and Companies. Partnership, limited and unlimited, Partnership Deed. Active and dormant partners. Rights, duties and liabilities of a partner. Dissolution of partnership.

Terms and abbreviations used in commerce.

Meaning of Home trade, Foreign trade, Balance of trade, Balance of account, volume of trade, Import and Export trade, Carrying trade and Retail trade. Bill of Landing.

*Insurance—*

Elementary principles of Life, Fire and Marine Insurance, with terms used in Insurance.

*Foreign Exchange—*

Par of Exchange, Course of Exchange. Monetary Standards of principal countries of the World.

## 6. BIOLOGY.

*Elementary Biology including Human Physiology and Hygiene.  
Paper. I—Biology.*

*Life of animal based purely on the observation made on Frog:* External parts and their work; internal parts and their work; digestive system; food and digestion. Circulatory system and blood; work of blood and need for circulation. Lungs and breathing. Kidneys and excretion. Nervous system; sensation and special senses. Bones and supports. Reproductive system and reproduction. (All these are to be treated in a very elementary manner).

*Elementary Knowledge of the classification of animals.*

*Illustrated mainly by the common local animals.*

*Life of plants based mainly on the bean plant to be dealt with in a very elementary way*—Various forms of plants; herbs, shrubs and trees, climbing plants; parasites. Parts of the plant and their work. Leaves. Manufacture of food; laws of water to air. Stem; carrying water and food; supporting of leaves. Root; collecting water and salts from the soil; holding the plant in position. Flowers: pollination; fertilization; fruits: and seeds and their dispersal. The new plant in the seed: germination. (All these to be treated in a very elementary manner).

*The value of plants and animals to man*—Food, fuel, clothes power, building material, medicine, pleasure, scavenging of waste materials (dogs, jackals, crows, vultures, bacteria, fungi).

*Animal and plants that are harmful to man.*

(Treated in a very elementary manner).

(1). That feed on man and animals: ticks, lice, fleas, bed-bugs, mosquitoes, intestinal worms—(External features only).

(2). That feed on plants: destruction of plants by insects (Common example). Elementary description only.

(3) That cause diseases in man and animals—animals parasites (Malarial parasite, hookworm) and bacteria (cholera, plague, tuberculosis. (All these to be treated in a elementary manner). Life-histories are not required but only a very simple idea of the diseases is to be given).

(4) That cause diseases in plants: parasitic fungi (mildews, smuts, rusts). Life-histories not required but an idea of the damage done by these fungi to their hosts.

(5). That carry diseases: Insects (flies, fleas, mosquitoes); rats, (simple names of such diseases and not the life-histories of the animals).

(6). That destroy property: rats, white ants; beetles; bacteria and moulds in food; wood-rooting fungi. (Very elementary knowledge of their habits only).

*Biology Demonstration.*

The teaching of theory should be illustrated by experiments as far as possible, and demonstrations (both microscopic and

microbic are to be considered an essential part of the teachers work. The course in Biology will not require any extensive expenditure on equipment and materials. Practically all materials can be easily collected from the local fauna and flora. *No microscopic work is to be done individually by the pupils.*

Demonstration of common representatives of the animal kingdom as obtained locally, and their sketching. Students should be encouraged to develop the taste of observation and to collect materials. They should also develop habits of making museum collections, their labelling, preservation, etc.

Collection and sketching of the common local plant forms.  
Study and sketching parts of a plant.

Observation of insects that feed on cultivated plants.

Collecting of fungus, diseases of plants, especially of crop plants.

Examination of the breeding places of mosquitoes, flies and rats.

*Books recommended for the guidance of the teachers.*

- (1). Parsons—Everyday science.
- (2). Green and Potter—Biology by discovery.
- (3). T. J. Moin—Biology for beginners.

*N.B.*—Great stress should be laid on pure observations, field-work and biological excursions, museum and herbarium studies.

*A note on the teaching of Elementary Biology for the Guidance of teachers*—The course in Elementary Biology, including Human Physiology and Hygiene is intended to awaken the general interest of young students and to give them an intelligent appreciation of everyday life around them. With this main object in view, the syllabus is mainly based on *observations* of a few animals and plants and is of a very elementary character. The teacher should keep this basic principle in mind as laid down in the syllabus while presenting the different sections of the subjects, and emphasize the part these sciences play in modern life. In Biology the teacher should emphasize the life-functions of frog and man rather than details of structure. In plants, it is not the shapes and kind of structure that should be emphasized, but the fact that the plant is a living organism. How animals and plants obtain their food, breathe, react to their surroundings and reproduce their kind rather than elaborate details of their structure is the most important thing.

Practically every item of the syllabus can be illustrated by a simple demonstration, and students should always be encouraged to learn the subject more from direct observation and experience of nature viz. by making excursions and going about on the field rather than by crumming notes and reading books alone. The teachers is recommended to prepare his material for demonstration carefully before he goes into the class.

### *Part II.—Elementary Human Physiology and Hygiene.*

As a basis for the teaching of Hygiene there should be a preliminary simple treatment of the following topics in Elementary Human Physiology.

The human skelton; the organs of digestion; the circulation of the blood; the nervous system; respiration; excretion; reproduction.

### *Hygiene.*

**Air:** Composition of air, importance of pure air. Impurities of air, ventilation.

**Water:** Composition of water; quantity of water required; sources of water-supply; springs, deep wells, surface wells, rivers tanks. How water is polluted. How to prevent pollution of water. How to purify water; boiling and filtering.

**Food:** Composition of food. Composition of good diet and its importance. Preservation of food. Cooking of food. Drinks and condiments.

**Personal Hygiene:** Cleanliness of body (hair, nails, teeth, etc.) clothing, exercise, importance of temperance, spitting.

**Precaution against diseases:** Infectious diseases (small-pox and measles). Colds and influenza. Tuberculosis. Enteric fever; dysentery; diarrhoea; cholera; plague; malaria; itch; leprosy; ophthalmia (sore-eyes).

## 7. DOMESTIC SCIENCE.

### *Class VIII—*

### THEORETICAL.

#### I. The Human Body.

The human Skeleton.

The uses of the skeleton.

The structure and character of the bones.

The joints—immovable, elastic, gliding.

The muscles—voluntary and involuntary muscles.

Muscular action.

The nervous system.

The sense organs.

The nervous centre—the brain.

Spinal cord.

The nerves.

Personal cleanliness—warm, cold and shower baths, the daily bath.

The effect of muscular and mental work upon the body.

The need of Rest.

## II. *Clothing*.—

Uses and care of clothing.

Principles governing the use of healthy clothing.

Characters of leather, fur, feathers, camel hair, Cashmere, alpaca—their use.

Properties of clothing—Principles of dress construction.

The evils of unhealthy clothing.—

(1) Heavy caps and woollen bonnets.

(2) Tight Kammar hands.

(3) Tight garters.

(4) Ill-fitting shoes.

The need of a warp against exposure.

## III. *Home Management*.—

(a) The choice of a house:

Situation, aspect, value of sunlight, elevation, ventilation, heating, sub-soil and drainage, construction, condition of roof, arrangement of rooms, need of deep verandahs, water supply.

## (b) The Management of the income.—

## (1) Paper Money,

Banking notes and cheques—their convenience in transaction.

Sending money by post—methods.

Advantages of such payments.

Evils of the instalment plan.

## (2) Objects to be attained by saving.

The provident fund.

## IV. The Sick Room.—

Conditions of germ life.

Precautions against infection.

Diseases caused by germs; Plague, Measles, Small-pox, Chicken-pox, ague and malaria, influenza, typhoid, fever, dysentery and cholera: their cause, prevention and treatment.

## PRACTICAL.

*Cookery.*—

Ordinary: How to make vegetable dishes of sorts.

## (1) How to make Hulwa.

## (2) A sponge cake and seed cake.

## (3) Fruit salads, stewed fruit and munge food.

## (4) Jams, preserves and syrups.

A lunch to be prepared and served.

Invalid: How to make.

## (1) Rice water.

## (2) Lemon whey.

## (3) Egg flip.



*First Aid.*—

How to deal with.

- (1) Chocking.
- (2) Hiccough.
- (3) Bleeding from wounds.
- (4) Treatment of wounds with glass in them.
- (5) Foreign bodies in the eye and ear.

*Cure of clothing.*—

How to remove grease spots from clothing.

Methods of washing, starching, clamping, folding and ironing clothes.

Washing and ironing of white and coloured cotton articles.

*Practical Child Welfare.*—

Ways in which young children can be profitably occupied and amused.

How to bathe an infant.

How to dress an infant—practical illustrations with dummy.  
Clothing of infants and children.

*Class IX.***THEORETICAL.**

The Human body as a living machine.

The various systems of body.

- (1) The digestive.
- (2) The circulatory.
- (3) The respiratory.
- (4) The waste removing system.

The digestive system—its various parts:

- (a) The mouth.
- (b) The tongue.
- (c) The teeth.
- (d) The salivary glands.

The digestion of food.

The digestive juices and their action of food.

The circulation of blood; the heart, arteries and veins.

*Personal Cleanliness.*—

Sea—bathing.

Precautions to be observed in public baths and bathing places.

The relation between physical exercise and the cleanliness of the body.

*Home Management.*—*The Home.*

(1) Whitewash.

(2) Floor coverings.

(3) The bedroom—size, floor, windows, furniture, cleanliness.

(4) Care of servants.

*Management of Income.*—

1. Preparation of the daily menu.

Regulation of expenditure in proportion to income.

Budgeting for running houses on different levels of income.

*The Sick Room.*—

Diseases caused by germs.

Precaution against infection from:

Diphtheria, whooping cough, Erysipilas, blood poisoning, antherax, tetanus, consumption, typhus, hydrophobia.

*Child Welfare.*—

The air pasages.

The value of fresh air.

Enlarged tonsils and adenoids.

The care of the voice.

Proper mode of taking breath.

The necessary constituents of a diet for the child.

Care of the voice at puberty.

## PRACTICAL.

*Cookery.*—

(1) Ordinary.—How to make fish dishes.

Cooking of a complete dinner in family system.

*Invalid Cookery.*—

How to make:

- (1) Baked flour.
- (2) Chicken broth.
- (3) Beef juice.

*First Aid.*—

How to deal with foreign bodies in the nose and throat.

How to deal with:

- (1) An apoplectic fit.
- (2) A snake bite.
- (3) A dog bite.

*Home Management.*—

Dyeing and restoration of coloured materials.

Washing and ironing of flannels and silks.

Removal of ink, fruit and rust from clothing.

## CLASS X.

The Human body.

The respiratory organs.

Changes between the blood and air.

Inspiration and expiration.

Human waste matters—their source and removal.

The structure of the skin and its work.

The Structure of the Kidneys and their work.

Care of the person—daily washing.

Turkish bath.

Vapour bath.

Medicated bath.

The need of recreation and sleep.

*Home Management.*—

- (1) The need of regular cleaning of the rooms, doors, windows, paint, furniture, etc.
- (2) Care of silver, brass, enamel, ware and books.
- (3) Proper location of kitchen and bath-rooms. The need for regular inspection.
- (4) The choice, care and mending of household linen.
- (5) The choice of furnishing.

Simple upholstery and drapery (Illustrate where possible by practical work).

*General Etiquette.*—

- (1) Rules for visiting.
- (2) Behaviour at theatres and concerts, museums, etc.
- (3) Rules for employment of leisure time.

*Management of Income.*—

Where to invest.

The post Office, Saving Bank, Government Stock.

Annuities.

Life Insurance.

Co-operative Stores.

Co-operative Societies.

Necessity of careful selection of safe investments.

Dealing with Banks.

*First Aid.*—

Poisons—their symptoms and treatment.

Carbolic, Opium, Prussic Acid, Arsenic, Copper, Lead, Alcohol.

*The Sick Room.—*

Bed sores—their prevention and treatment.

The Management of the sick.

Rules for visiting the sick.

*Child Welfare.—*

The nervous system—its extreme liability to damage by the over strain of growth.

School headaches.

Epilepsy.

Insomnia.

Sonambulism.

The correct posture in standing, walking and sitting.

*Elements of Child Psychology.—*

The girls should specially be encouraged to observe for themselves how small children react to certain stimuli and learn how to direct aright the children's natural instincts. This subject should be taught mainly by discussion and the pupils should visit the Kindergarten Classes for observation.

**PRACTICAL.***Home Management.—*

General revision of Laundry work.

Making of simple upholstery and drapery.

Destruction of larvae in breeding places of mosquitoes.

Preparation for a railway journey.

Looking up time-tables.

**COOKERY.***A. Ordinary.—*

(a) How to make sandwiches.

(b) How to make lime juice which will keep indefinitely.

(c) How to make a large iced cake.

*B. Invalid.—*

(1) How to make one Peptonised gruel.

(2) Scraped Beef.

Preparations for Picnics, At Home.

## SCHOOL SUBJECTS.

## 1. DRAWING.

*Class VIII.**1st Term.*

1. Drawing from flat (Free Hand).
2. Geometrical Drawing.
3. Memory Drawing.

*2nd Term.*

Model Drawing.

*Books recommended:—*

1. The teaching of Drawing by I. H. Morris.
2. Geometry by I. H. Morris Problems 1 to 100.

*Class IX.**1st Term.*

1. Free-hand and Model Drawing, (Alternate lessons) in more developed forms than the Class VIII Standard.
2. Geometrical Drawing.

*2nd Term.*

Follage from nature flat Tinting.

*Books recommended.*

1. Same as for Class VIII.
2. Same as for Class VIII Problems 100 to 200.

*Class X.**1st Term.*

1. Free-hand Drawing in more developed forms than the Standard of Class IX.
2. Geometrical Drawing and Mechanical Measurement.

*2nd Term.*

Summing up and revision of subjects taught in the last term and in terms of Class VIII and IX.

*Books recommended.*

1. The teaching of Drawing by I. H. Morris.
2. I. H. Morris Book of Geometry 200-223 problems.

## MANUAL TRAINING WOOD-WORK.

*Class VIII.*

- (a) Scientific Principles. (Educational advantages of Manual Training. Principles of Projection.)
- (b) Practical Principle. By demonstration (Saws and Sawing planes and planning etc.)
- (c) Practical Work. (A round ruler. A penholder. A hat rack. Key-board. A toilet box. A picture frame etc.)

*Class IX.*

- (a) *Scientific Principles.*

Growth and parts of growing tree. Germination, roots and leaves, their development and food supply. Seasoning timber. Shrinkage of timber. Chemical structure of wood and products formed by chemical changes, etc.

- (b) *Practical Principles.*

(Miscellaneous Tools, Grind stone and grinding. Notes on various tools).

- (c) *Practical work.*

Levelling Rule. A simple Ink Stand. A letter rack. A town roller. A Book-shelf (Key joint). A tea tray etc.

*Class X.*

- (a) *Scientific Principles.*

1. Science in Manual Training. Matter measurement. Metric system. Density. Specific gravity. Force and Work. Mechanical devices, levers etc.
2. Geography in Manual Training, trees, characteristics of various parts, Forestry and the Manual Training Lesson. Climate, rainfall, rivers, coast line of Europe, forest area of Asia. Europe and America, particularly forests of India and Burma. Lessons on principle trees and important timbers.

### *Practical Work.*

A Stool, Teapoy. A Drawing Board (Tongue and groove joint). A tea square. A book rest. A Common box with lid. A box for sporks, spoons and knives (Drawer dove-tail join a photo stand. A stationery cabinet etc.)

Free-hand sketches of the new tools introduced at each stage and models attempted, with dimensioned scale, drawings showing orthographic projections. Latterly occasional oblique drawings should also be attempted.

NOTE:--This syllabus is for educational wood-work as an optional course. If this be compulsory for all sections, (a) scientific principles in the third year may be dropped.

2. The Class for educational wood-work should meet three times a week for one and a half hour each day. The Class for Drawing should meet as usual at least twice a week for an hour each time in addition.
3. It is advisable to have a practical examination at the end of each year besides an examination in Drawing, a satisfactory standard attained therein being a necessary condition for the Matric Certificate.
4. The active co-operation of Science and Geography teachers should be enlisted so far as Science and Geography portions of the third year's course are concerned.

### BOOKS FOR REFERENCE.

1. The Principles of Educational wood-work by Beinns & Masdon.
2. The Principles of Educational wood-work by W. A. Milton (Blackie).
3. Manual Instruction wood work by Pearson.
4. Sloyd--Three Upper (Grammar grades by G. Larsson (Boston Manual Training School).

### 2. PHYSICAL TRAINING.

#### 1. Exercises of the Body:--

Marching and running exercises, short distance and long distance running practice. Relay races and Cross Country races. Racing and running exercises with increased standards.

#### Posture Exercises:-

Body exercises with thorough working out of the whole body. Corrective exercises. Light body bending. Body turning. Leaning rest exercises. In step exercises. Balancing and breathing exercises.



## 2. Performance activities:—

Jumps of all kinds. Shot Pulling. Pole vault. Hurdle races etc.

3. Exercises for strength, courage and skill on apparatus. Horizontal bar. Rotation and knee grind from swinging to hanging position. Sitting rotation. Putting knees up to bar and turning around, Vaults. Straddling from stand and hanging position.

Parallel Bar:—Vaults. Rolling from straddle to straddle, shoulder stand from sitting position. Lying position, arm bending and stretching. Hand-stand.

4. Floor Exercises. Tumbling and wrestling. Boxing.

(5) *Games*:—Team games such as Hand-football, Freedodge ball and indigenous games such as "Bul-chie" and "Loan-pat". "Gill Danda". Track ball, Hand ball, Foot-ball and Hockey.

## *Intermediate Examination.*

### ECONOMICS.

#### (1) Principles of Economics.

##### *Introductory:—*

The nature and significance of Economics. The relation of Economics to other Sciences. The meaning of Wealth and Utility. The conditions of Exchangeability. The main sub-divisions of the Science.

##### *Consumption: -*

Human wants and their characteristics. Necessities. Comforts and Luxuries. The Law of Diminishing Utility. Elasticity of Demand. The Distribution of Income between different Wants. The conception of Consumers' Surplus.

##### *Production: -*

The Meaning of Production. The Factors of Production. The Meaning and Characteristics of the different Factors. Land and its Fertility. Intensive and Extensive cultivation. The Law of Diminishing Returns. Factors affecting the Value of Land.

Labour and its Efficiency; Conditions affecting the Efficiency of Labour. The various kinds of Labour. Skilled and unskilled, Productive and unproductive, Physical and Mental. Mobility of Labour; Factors affecting Mobility. The Theory of Population.

The Importance of Capital. Fixed and Circulating Capital. Conditions affecting the accumulation of Capital. Method of the Investment of Capital.

Organisation of Production: Division of Labour, its advantages and disadvantages. Large Scale Production; its advantages and limitations. The use of Machinery and its consequences for the Labourers.

The Localisation of Industry; its causes and advantages. The Law of Substitution. The Law of Increasing Returns.

#### *Exchange:—*

The Necessity of Exchange. The Meaning of Market. The difference between Value and Price. How is price determined. Demand price and Supply price. Market price and normal price. The Equilibrium of Demand and Supply and the Equilibrium price. Prime and Supplementary costs. Joint and Composite supply. Competition Monopoly. Kinds of Monopoly. Monopoly price.

#### *Distribution:—*

The Importance of Distribution. Rent, Wages, Interest and Profits. The Nature of Rent and how it is determined. Wages and how they are fixed. Real and Nominal Wages. Causes of variations in Wages. Net Advantages. The Nature of Interest. The Rate of Interest. Gross Interest and Net Interest. Risk bearing and Management. Lending and Borrowing as affected by fluctuation of prices. The charges for Depreciation. The Nature of profits. Gross and Net Profits.

### (2) Indian Economics.

#### *Introducing:—*

What is meant by Indian Economics. The Relation between Indian Economics and Economic Principles. Importance of the study of Indian Economics. The Natural Resources of the Country. Main Geographical Features and their Economic Importance. Important Social Institutions and their bearing on the economic life of the people.

*Agriculture :—*

The importance of Agriculture in India. The present position of agriculture. Various problems connected with agriculture; Rural indebtedness: its causes and extent, and the remedial measures adopted and proposed. The co-operative movement, its development and present position in India. Agriculture and Co-operation in Hyderabad.

*Industries :—*

Indian Industries in the past and their present condition. Causes of the downfall of Indian Industries. The recent signs of industrial revival. The problems of fiscal policy. Free Trade, Protection and Imperial Preference. The Labour Problems. Factory Legislation and Trade Unionism. The cottage Industries. Industries in Hyderabad.

*Transport :—*

Roads, Railways Shipping. A short history of Railways development and the present organisation of Railways. The condition of the Roads and measure towards their improvement. Condition of water transport in India. The development and present organisation of Railways in Hyderabad.

*Trade :—*

Expansion of Trade in India: domestic and foreign. The present trade situation. Chief imports and exports.

*Banking and Currency :—*

The meaning and functions of Money. The characteristics of good money. The use of precious metals for monetary purposes. Coinage. Standard and Token money. Legal Tender and Limited Legal Tender. Paper Money: convertible and inconvertible. Meaning of credit. Bills of Exchange. Cheques. The meaning and functions of a bank.

The Indian currency system. The meaning of a gold exchange standard and a gold bullion standard. The Government of India as the Currency authority of the Country. The relation between the Rupee and the Pound. The mechanism by which the value of the Rupee is maintained.

The meaning and functions of a Bank. The Indian Banking System: The Imperial Bank; the exchange Banks; the Indian Joint Stock Banks; the Indigenous Bankers. The Reserve Bank of India.

Currency and Banking in Hyderabad.

*Public Finance:—*

State Revenue and expenditure. Principles of taxation. Direct and indirect taxes. Proportional and Progressive taxes. Public debt: how it is incurred and repaid. The sources of Revenue of the Government of India. Separation between Central and Provincial Finance. The Central Budget (general). The Railway Budget. The expenditure of the Government of India and of the Provincial Governments. The financial system of the Hyderabad State.

## SOCIOLOGY.

*Introductory:*

Subject matter of the Science, its definition and interdependent relations with the Social Sciences. The meaning of Sociology. Its sub-divisions. The method of Sociology. The advantages of studying Sociology.

*History:*

A brief survey of the development of Sociology. Social Philosophy.

*The Structure of the Society:*

Various conceptions of, and different kinds of Society. The meaning of Society.

*The Basis of Society:*

Family. Groups, Nationalities, Social Populations. Theory of Population. Over-population and under population.

*The Nature of the Society:*

Human Nature. The Individual and the Group Mind.

*Social Processes:*

Individual social processes (Influenced by factors like Climate, Resources, Environment, Occupation, etc.).

*Socialization :*

Imitation. Compulsion. Sympathy. Interest and Antagonism. Adaptation.

*Individualization :*

Differentiation. Opposition. Class struggle. Commercialization. Professionalization.

*Social Conflict :*

Conflict of interest. Exploitation.

*Social Reconstruction :*

Social Interactions. Crossfertilization of Culture.

## APPLIED SOCIOLOGY.

*Introductory :*

General Sociology and Applied Sociology. The meaning and Scope of Applied Sociology. Its relations to State, Economics, and Ethics. Justification of Applied Sociology.

*Wealth and Welfare :*

The Meaning of Wealth and Welfare. Criterion of Welfare. Theories of Welfare (Bentham, Mill, Pigou).

*Poverty and Pauperrism :*

Causes of Poverty. Its immediate remedies. Extent of Poverty. The Poverty Problem.

*Vice and Crime :*

Economical and Social Causes of Vice and Crime. Remedies of Vice and Crime.

*Social Pathology :*

Social decadence. Degeneration. Intemperance. The Abnormal.

*Social Reforms :*

Principles of Social Reform.

## GEOGRAPHY.

*1st Paper:—*

## 1. The Physical Basis of Geography:—

- (a) The Earth as a planet, shape, size, and motions; the inter-relations of the Sun, the Moon, and the Earth; rotation and revolution and the results thereof; Latitude and longitude and measurement of time, the general structure of the Earth.
- (b) Atmosphere; its composition; the local and world distribution of pressure, temperature and humidity, the circulation of the atmosphere—permanent, seasonal and local winds. The collection of meteorological data and preparation of weather charts and climate maps. Types of climate.
- (c) The Hydrosphere; the form, extent and distribution of the oceans, depth, composition of sea-water, distribution of salinity and temperature; movement of sea-water, waves, tides, currents; coral reefs and islands.
- (d) The Lithosphere; land forms; material of the earth's crust; of the forces that shape it; soils, changes in the earth's crusts; elevation and subsidence; the agencies and process of denudation; rivers and the development of river systems; sub-soil water; snow and ice; lakes. Wind as an agent of transport and deposition; volcanoes and earthquakes; shorelines; rising and sinking coasts; deltas and estuaries.

## 2. Regional Geography:—

- (a) Division of the World into major natural regions; coastal outline, relief, river systems, climate, vegetation.
- (b) Political regions of the world; comparison with the major natural regions; population and communications.
- (c) The Indian Empire; coast line, relief, climate, vegetation; population and communications.

3. Economic Geography with special reference to India;  
 The World distribution of important commodities such as rice, wheat, cotton, wool coal, iron, tea, coffee, tobacco, rubber, petroleum, Conditions of their growth, growth of industries; trade centres and trade route; course of power. Factors affecting transport, ex-

change of commodities and the localization of major industries. The World position of India; its natural resources; its economic development.

**2nd Paper:—**

1. Cartography; The map-work should be carried on in connection with the general and regional geography and should include.—The study of topographical maps, including section drawing as exemplified use and study of Atlas maps, including the advantages and disadvantages of the principal projections employed, climate and weather maps, cartographical and diagrammatic representation of geographical data.
2. Bio-geography:—
  - (a) Natural vegetation regions; woodland, grassland, deserts and mountain vegetation.
  - (b) Geography of animal life:—distribution of animals in World with special reference to habitate and ecology of typical animals.
  - (c) Anthro-po-geography:—Distribution of the chief races of mankind, racial characteristics; influence of geographical environment on the life, occupation and character of peoples with special reference to England and India.
3. Elementary History of Geographical discovery and exploration with special reference to the British Possessions.

**Logic.**

*Deductive Logic.*

1. *Problem of Logic.*

Defination and Scope.

Relation of Logic to other sciences.

Logic as material and formal.

2. *Thought.*

Essential nature and its forms.

Laws of thought as psychological and logical.

Judgment and propositon,

3. *Concept.*

Its relation to Judgment.  
 Concept and name.  
 Name of term.  
 Kind of terms.  
 Nomenclature of Predicables.

4. *Propositions.*

Its Classification.  
 Distribution of terms in a proposition.  
 Opposition of Propositions.  
 Immediate Inference.

5. *Mediate Inferences and their Varieties.*

Syllogism, its nature and its constituent parts.  
 Rules of syllogism.  
 Figure and mood.  
 Determination of valid moods and their different methods.

6. *Fallacies.*

Their classifications.  
 The nature of each fallacy.

## INDUCTIVE LOGIC.

1. *The Problem of Induction.*

Inductive process and its different forms.  
 Assumptions of Induction.  
 Laws of Causality and Uniformity of Nature.

2. *Preliminaries of Induction.*

Observation and Experiment.  
 Methods of Induction.

3. *Scientific and Imperfect Induction.*

Induction by Analogy, its nature and value.

4. *Hypothesis.*

Its formation and use.  
 Conditions of Legitimate Hypothesis.  
 Explanation of Deduction and Induction and their connection.

5. *Fallacies.*

Varieties of Inductive fallacies.  
 The nature of each Variety.



## BOOKS TO BE CONSULTED.

*Stout*.—Groundwork of Logic.

*Jevons*.—Elementary lessons in Logic.

*Minto*.—Logic.

*Carveth Read*.—Logic-Deductive and Inductive.

*Fowler*.—Inductive Logic.

*Jevons*.—Studies in Deductive Logic.

## PSYCHOLOGY.

- I. The Problems and methods of Psychology.
- II. The Psychophysical organism and the Nervous System.
- III. Mind, Nerval action and habit.
- IV. Attention, Discrimination and Association.
- V. Sensation :—
  1. Visual.
  2. Auditory.
  3. Cutaneous.
  4. Taste.
  5. Smell.
- VI. Perception.
- VII. Preception of Space and Time.
- VIII. Imagination.
- IX. Memory.
- X. Conception and Reasoning.
- XI. Feelings.
- XII. Reflex Action and Instinct.
- XIII. The Naure of Emotions.
- XIV. Elementary Features of Volition.
- XV. Character and Will.
- XVI. The self.

## PHYSICS.

*Dynamics*.—The units of length and time. Displacements, speed, velocity, and uniform acceleration of particle moving in a straight line. Momentum. Newton's Laws of motion; the units of mass and force. Hick's ballistic balance. Motion of a particle in a straight line under the action of a force in that line

and in a vertical plane under the action of gravity. Energy, work, power, and their units; simple illustrations of the conservations of energy from Dynamics.

Conditions of equilibrium of a body under three con-current forces (the parallelogram and triangle of force) and under parallel forces. Centre of gravity. Simple machines. The balance and its sensibility.

The motion of a simple pendulum (studied experimentally), deductions from the formula for the time of oscillation of a simple pendulum.

*General properties of matter.*—Extension, inertia, gravitation, divisibility, porosity, elasticity, cohesion, ductility, malleability, brittleness; plasticity, viscosity. The three states of matter. Changes of state produced by heating and cooling.

*Elasticity.*—Its definition. Distinction between solids and fluids owing to difference in elasticity.

*Hydrostatics.*—Pressure at point in a fluid; definition and illustration; transmissibility of pressure. Evaluation of pressure at a point in a heavy fluid at rest; its uniformity in all directions. Resultant thrust in simple cases. The principle of Archimedes, floating bodies, hydrometers. Applications to practical determination of density and specific gravity. The pressure of a gas and its determination; the barometer and its use in the measurement of atmospheric pressure. Boyle's Law, air pumps and water pumps.

*Heat:*—Temperature and its measurements; the construction and graduation of thermometers. The thermal expansion of solids, liquids and gases and their accurate determination; the air thermometer. Heat as quantity; the unit of heat; specific heat and the more direct methods of calorimetry. Laws of fusion, evaporation and ebullition; latent heat. Vapour pressure and how it is measured. Saturated and unsaturated vapours. Conduction and convection of heat; definition of thermal conductivity. Radiation; absorption and reflection; Law of cooling. The dynamical equivalent of heat; the conservation of energy.

*Light:*—The rectilinear propagation of light, formation of shadows, images in pin-hole camera. The experimental facts and laws of reflection and refraction of light; simple geometrical deduction from these, applicable to small direct pencils incident on plane and spherical surfaces. The eye and ordinary defects of vision. Magnifying power. Applications to thin lenses. The telescope and microscope. The dispersion of light; the

spectroscope. Radiation and absorption of spectra. Critical angle and total internal reflection. Determination of refractive indices.

*Magnetism*:—Properties of magnets; poles, law of magnetic force, unit poles, lines of force; uniform magnetic fields and experimental methods of comparing them. The magnetic moment of a magnet. Comparison of magnetic moments. The earth's magnetic field; the compass. Magnetic induction. The magnetic properties of iron and steel.

*Electricity*:—Electrified bodies; electric quantity. Conductors and insulators. Distribution of electricity on conductors. Induction. Laws of force between two small charged spherical conductors. Line of electrostatic force, the electric field. Electric force and electric potential. Difference of potential. Electric condensers and capacity. Dielectric constant.

The more common forms of voltaic cells and the actions of go on in the cells while producing a current. Polarization of cells and methods of preventing it. The action of currents on magnets; galvanometers depending on such action, including suspended coil type. Metallic (Linear) conductors and electrolytes; laws of electrolysis. Electromotive force, Ohm's Law; resistance and the simpler methods of determining it. Measurement of current and comparison of Electro Motive Forces. Distribution of energy in circuit by current and heating effects. Electro-magnets.

*Sound*:—Simple vibratory motion. The production and propagation of sound; the velocity of sound in air, and its determination of sound; the velocity of air and its determination. Nature of wave motion and sound waves. Frequency of vibration, pitch. Amplitude of vibration; loudness. Laws of vibration of strings and air columns, Interference of sound waves and beats.

#### PRACTICAL PHYSICS.

Length measurements by millimetre scale, vernier micrometer, guage and spherometer.

Determination of areas and volumes by measurement of linear dimensions.

Verification of conditions of equilibrium of a body under coplanar forces.

Determination of the centre of gravity of a plate.

Verification of the law of a simple pendulum; determination of  $g$ .

The inclined plane; system of pulleys.

Use of balance, sensitive to .01 gram.

Determination of volumes by weighing water; determination of capacities of vessels.

Specific gravities of solids and liquids; use of hydrometer.

Determination of atmospheric pressure by taking reading of Fortin's Barometer and correcting for temperature.

Verification of Boyle's Law.

Determination of fixed points of thermometer.

Determination of co-efficient of expansion of a rod.

Determination of co-efficient of apparent expansion of a liquid.

Expansion of air at constant pressure.

Co-efficient of increase of pressure of air with temperature at constant volume.

Curves of cooling; melting points.

Determination of specific heats of solids and liquids.

Latent heat of water and steam.

Determination of vapour pressure; boiling points.

Determination of the dew point by Regnault's and wet and dry bulb-hygrometers.

Comparison of thermal conductivities.

Radiation of heat from different surfaces.

Verification of the Laws of reflection of light.

Tracing the path of a ray of light through a block of glass and deduction of refractive index.

Focal length of concave and convex mirror.

Focal lengths of convex and concave lenses.

Measurement of the refractive index of liquid by measuring its apparent depth.

Measurement by spectrometer of the angle of a prism and the refractive index for sodium light.

Comparison of illuminating powers of different sources of light by the shadow and the grease spot photo-meters.

Tracing the lines of force in a magnetic field by the iron filings and also by means of a small compass.

Comparison of magnetic moments.

Comparison of strength of magnetic field by the method of vibration.

Study of the simple cell, the Daniel and Leclanche cells;

Absolute measurement of current (i) by tangent galvanometer (ii) by electrolysis.

Measurement of heat developed by current.

Measurement of resistance of wires.

Comparison of electromotive forces; the potentiometer.

Comparison of frequencies of turning forks.

Verification of laws of transverse vibration of strings.

Determination of velocity of sound by resonance of air columns.

## CHEMISTRY.

### Theoretical.

#### *Inorganic.*—

Elementary and compound substances, mixtures, solution, chemical action, the laws of multiple and definite proportions, determination of equivalent weights. Dalton's Atomic Theory, atomic weights. Combination of gases by volume. Avogadro's Hypothesis. Vapour density, determination of molecular weights.

Valency, relation between equivalent and atomic weights.

Boyle's Law, Charles' Law, Vapour Pressure, Diffusion.

Chemical symbols, formulæ and equations, calculations of an easy nature.

Combustion and the structure of flame.

Oxidation and Reduction.

Catalysis.

Elementary ideas as to the nature of dissociation in gases and liquids, Ionic Theory treated in an elementary way.

Outlines of the Periodic Law.

The chief physical and chemical characters, preparation and properties of the following elements and compounds with as far as possible proofs of the composition of the compounds:—

Hydrogen, water, hydrogen peroxide, oxygen, ozone,

Nitrogen, the atmosphere, ammonia, nitric acid and nitrates, nitrous acid and nitrites, the oxides of nitrogen, carbon, marsh gas, ethylene, acetylene, carbon dioxide, carbon monoxide, coal gas; chlorine, hydrochloric acid, chlorides, oxides and oxyacids of chlorine, bleaching powder, bromine, iodine, and their hydracids.

Sulphur, sulphuretted hydrogen, and sulphide, oxides of sulphur, sulphuric acid and the sulphates, sulphurous acid and the sulphites, thiosulphates.

Phosphorus, phosphuretted hydrogen, oxides of phosphorus, acids phosphoric.

Boric acids, silicon, silica, silicates, glass, arsenic, hydride and oxides of arsenic.

A brief description of the following metals, important technical methods of their preparation, their applications, chief compounds, uses and tests:—

Sodium, Potassium, Ammonium radical, Calcium Magnesium Zinc, Copper, Lead, Mercury, Aluminium, Silver, Tin and Iron.

### *Organic.*

Systematic study of the modes of occurrence, preparation, general properties and constitutional formulæ of the following:—

Methane, Ethane and their derivatives, viz. haloid compounds, alcohols, ethers, aldehydes, ketones, monobasic acids, oxalic, succinic, tartaric, and citric acids. Ethylene acetylene, amines, glycin, cane sugar, dextrose, levulose, starch, glycerol. Fats and vegetable oils, soaps, urea and uric acid, benzene, its chief derivatives. viz. nitro and amino compounds. Phenol, benzaldehyde, benzoic acid, salicylic acid.

### *Practical.*

Students are expected to do the following experimental work. An account of each experiment must be written by the student in a special note-book and regularly initialled by the Lecturer or the Professor-in-charge. These note-books shall have to be submitted to the Examiner at the time of the University Examination.

- (1) Fitting up of simple apparatus.
- (2) Simple chemical manipulations, such as filtration, distillation, decantation, crystallization, etc.

- (3) Use of the chemical balance.
- (4) Investigation of common materials, such as salt, lime-stone, allm, blue vitriol. etc.
- (5) Preparation and properties of the following :—  
Hydrogen, Oxygen, Nitrogen, Chlorine, Hydrogen Chloride, Carbon Dioxide, Carbon Monoxide, Nitrous Oxide, Ammonia.
- (6) Determination of the water of crystallization.
- (7) Determination of equivalent weights of simple elements.
- (8) Preparation of simple salts.
- (9) Effect of heat on single substances and mixtures.
- (10) Qualitative analysis of single salts.
- (11) Simple exercises in Volumetric analysis, comprising.  
(a) Alkalimetry and acidimetry (b) Estimation of ferrous iron and oxalic acid by means of permanganate (c) Estimation of chlorine ions by means of silver nitrate solution.

## BIOLOGY.

### *Zoology* :—

Living and non-living matter. The distinctive properties of protoplasm and its chemical composition. A general conception of the structure and phenomena of the animal cell; direct and indirect cell division. The union of cells to form tissues and the combination of tissues to form organs.

An elementary idea of the doctrine of Evolution with an explanation of the following terms: Variation, Heredity, natural Selection and Recapitulation theory.

A general classification of the animal kingdom with the characteristics of the principal phyla. The general characters of the Chordata.

Sexual and asexual methods of reproduction. The elementary facts of fertilization and segmentation of the ovum in frog. The formation of three primary germinal layers and their subsequent fate.

The frog as a type of higher animals. The elements of vertebrate histology, illustrated from the frog. Elementary facts of Physiology. The outlines of the metamorphosis of frog.

Amœba and Malaria parasite as types of Protozoa. Hydra as an Example of the Metazoa. The principles of the Physiological division of labour and the correlated differentiation of structure.

Pheretima as an example of segmented animals. The significance of the three primary germ-layers and of the coelom.

The Cockroach as a type of Arthropoda. Metamorphosis amongst insects as illustrated by the life histories of the house-fly (Musca) and the common mosquito, and their economic importance.

General characters of Aves. An elementary knowledge of the anatomy of the Rabbit as a type of Mammalia.

Difference between the poisonous and the non-poisonous snakes.

### *Practical.*

Candidates will be required to dissect, describe or examine microscopically the following types; Amœba, Paramœcium, Hydra, Pheretima, Cockroach, Frog (and its skeleton) and Rabbit (and its skeleton).

A microscopical study of the chief animal tissues from prepared slides of epithelium, muscle, nerve, cartilage, bone, blood and other connective tissues, and also that of the kidney, liver, spinal cord, stomach, intestine, ovary and testis of frog.

They will be also required to submit the original sketch-books, initialled and dated by their teachers, determining the result of the examination.

### *Botany:—*

The distinguishing features of living and non-living bodies.

The description and the minute structure of a vegetable cell.

Chemical and physical properties of protoplasm, direct and indirect division of a cell.

Description of the macroscopic and microscopic appearance of root, stem and leaf.

General description of flower, inflorescence and branching, fruit, seed and dispersal of seeds of the types studied.

Transpiration, respiration and absorption in plants.



**Reproduction in plants.**

Elements of classification.

Description and practical knowledge of the structure, function and life-history of Yeast, Mucor, Spirogyra Fern, Cyeas, Maize and Sunflower.

*N.B.*—Students are expected to keep a record of all practical work in a special Laboratory Note-book which will be liable to Examination by the University Examiners. The laboratory Instructors should sign the result of each day's practical work

**MATHEMATICS.***Algebra.* - -

Ratio, proportion and variation.

Progressions, including the summation of squares and cubes of natural numbers.

Surds and elementary properties of imaginary quantities including the cube roots of unity.

Solution and theory of quadratic Equations. Quadratic Expressions. Easy Equations solvable as quadratics, including easy simultaneous quadratic equations.

Permutations and Combinations (easy treatments.)

Binomial Theorems for positive integral index. Statement and application of the Binomial Theorem for negative and fractional indices, with elementary notions of convergence. Logarithms of numbers.

*Trigonometry.*

Sexagesimal and circular units of angular measurement.

Trigonometrical ratios of any angle and simple relations connecting them.

Periods and graphs of trigonometrical functions. Graphical solution of simple trigonometrical equations.

Addition and subtraction formulae. Logarithms of trigonometrical ratios and the use of trigonometrical tables. Properties and solution of triangles with the use of tables. Simple cases of heights and distances in two and three dimensions.

Radii of circumscribed, inscribed and escribed circles of a triangle.

Inverse circular functions (principal values).

*Geometry.—Plane.—*

The feet of the perpendiculars on the sides of a triangle from any point on the circumcircle are collinear.

The existence and simpler properties of the nine points circle.

If ABC be a triangle and AD a median.

$$AB^2 + AC^2 = 2(BD^2 + AD^2)$$

If ABC be a triangle and AD the bisector of angle A.

$$AB \cdot AC = BD \cdot DC + AD^2$$

If ABC be a triangle and AD the perpendicular from A on base and AE the diameter of the circumcircle, then

$$AB \cdot AC = AD \cdot AE.$$

If ABC be a quadrilateral inscribed in a circle,  $AC \cdot BD = AB \cdot CD + BC \cdot AD$ .

If two rectilinear figures are similar, they can be so placed that the lines joining their corresponding vertices are concurrent.

If two rectilinear figures are similar their corresponding sides and diagonals are proportional and their areas are proportional to the squares of corresponding sides.

Every straight line which passes through the extremities of two parallel radii of two fixed circles passes through one or other of two fixed points.

If A, B, C, D be four points taken in order on a straight line,

$$AB \cdot CD + BC \cdot AD + CA \cdot BD = 0$$

Simple properties of cross ratios and harmonic section.

If a straight line be drawn from a given point to cut a given circle, the intersection of the tangents at the two points of section always lies on a fixed straight line.

If the polar of A passes through B, then the polar of B passes through A.

Determination of the locus of points from which the tangents drawn to two given circles are equal.

The radical axis of three circles taken in pairs are concurrent. Construction of the radical axis of two given circles.

To draw a circle to touch a given circle (O), and also to touch a given straight line PQ at a given point A.

To draw a circle to pass through two given points A&B and to touch two given straight lines AB, AC.

Ceva and Menelaus' theorems about concurrency and collinearity, with simple applications.

Elementary maxima and minima (geometrical treatment).  
*Geometry.*—Solid.

Elementary properties of lines and planes.

Solid figures. Regular polyhedra.

Surfaces and volumes of parallelepipeds, prisms, pyramids, cylinders, cones and spheres.

*Geometrical Conics.*—

Tracing of Parabola, Ellipse and Hyperbola from the definition.

Simple common properties of the conic sections:—

If a straight line cut a conic, whose focus is S, in points P and P<sup>1</sup> and the directrix in D, then SD will be equally inclined to SP and SP<sup>1</sup>.

The portion of a tangent to a conic intercepted between its point of contact and a directrix, subtends a right angle at the corresponding focus.

Tangents at the extremities of a focal chord of a conic intersect on the corresponding directrix.

If from any point T on the tangent at a point P of a conic TH be drawn perpendicular to the directrix and TK perpendicular to the focal distance SP, then the ratio SK: TH will be equal to the eccentricity.

To draw tangents to a conic from an external point.

The normal at P to a conic meets the transverse axis in G, then  $SG = e \cdot SP$ .

*Parabola.*—

Latus rectum is four times the focal distance.—

$PN^2 = 4 AS \cdot AN$ .

The tangent bisects the angle between the focal distance and the perpendicular on the directrix.

The tangents at the extremities of a focal chord intersect at right angles on the directrix.

The subtangent is bisected at the vertex.

The subnormal is equal to half the latus rectum.

The locus of the foot of the perpendicular from the focus on any tangent is the tangent at the vertex.

The locus of the middle points of parallel chords is a straight line, parallel to the axis, passing through the point of contact of the tangent parallel to the chords.

*Ellipse.*—

$$\begin{array}{rcl} \frac{CS.CX^2}{PN^2} & = & \frac{CA^2}{CB^2} \\ \frac{AN.^2 A'N.}{CB^2} & = & \frac{CB^2}{SA.SA.^1} \\ SP + S'P & = & AA^1. \end{array}$$

The curve is symmetrical with regard to the minor axis and has a second focus and corresponding directrix.

The locus of middle points of parallel chords is a straight line passing through the centre and the points of contact of tangents parallel to these chord.

The tangent at any point makes equal angles with the focal distance of the point.

The locus of the feet of the perpendiculars from the foci on any tangent is the auxiliary circle.

*Note.*—Proofs with the help of projection will be accepted.

*Hyperbola.*—

The difference of the focal distances of any point on a hyperbola is constant.

The tangent at any point makes equal angles with the focal distance of the point.

The locus of the feet of the perpendiculars from the foci on the tangents is the auxiliary circle.

*Co-ordinate Geometry.*—

Rectangular axes only.

Meaning of a graph.

The equation of a straight line. Two straight lines, given by the general equation and the angle between them.

*Circle.*—General equation.

Circle through three points, chord, tangent, intersection of a straight line and a circle chord of contact, pole and polar and condition of tangency.

Equation of parabola, ellipse and hyperbola referred to principal axes.

Intersection of a straight line with a conic and condition of tangency. Tangent and normal. Very simple treatment required.

*Calculus.*—

Idea of limit and continuity.

Differentiation of elementary algebraic, trigonometric, exponential and logarithmic functions and their simple combinations. Successive differentiation excluding Leibnitz theorem.

Geometrical application to the tangent and normal properties of conics and other simple curves.

Integration as the inverse of differentiation, Integration of simple standard functions by simple substitution. Evaluation of definite integrals by substitution of limits.

*B. A. EXAMINATION.**I. MATHEMATICS.*

*Algebra.*—Interest and annuities, inequalities, simple tests of convergence of series, partial fractions, summation of series; continual fraction; indeterminate equation of the first degree.

*Theory of Equations and Determinants.*—Relations between the roots and coefficients of an equation; easy transformations, Cardon's solution of the cubic equation, solution of the biquadratic equation; solution of numerical equation by Horner's method. Development and elementary properties of determinants, and their applications to the solution of linear simultaneous equations and in elimination,

*Trigonometry.*—De Moivre's Theorem; expansions of trigonometric functions; hyperbolic and inverse functions; summation of series; expression of trigonometric and hyperbolic functions as infinite products.

*Pure Geometry.*—Concurrency and collinearity, harmonic ranges and pencils; properties of a complete quadrilateral and complete quadrangle; properties of a circle; pole and polar; coaxial circles; inversion; orthogonal projection applied to derive the properties of ellipse from those of the circle.

*Analytical Geometry of two dimensions.*—Cartesians and polar co-ordinates; transformation of axes; straight line; circle; parabola, ellipse, hyperbola; the general equation of second degree; tangents; normals; foci; directrices; conjugate diameters; parametric representation; tracing of curves given by general second degree; polar equations of conics.

*Analytical Geometry of three dimensions.*—Equations of the plane and the straight line; standard forms of the equations of sphere and ellipsoid.

*Differential and integral calculus.*—Limits and continuity of functions; differentiation (standard forms); successive differentiation; mean value theorem; Taylor's and Maclauron's theorem (with remainder) for a single variable; expansion of functions in power series; indeterminate forms; partial differentiation; maxima and minima of a function of a single variable; curvature; asymptotes; envelopes; curve tracing.

General methods of integration; standard forms; reduction formulæ; rectification of curves quadrature; surfaces and volumes of solids of revolution; approximate evaluation of definite integrals (Simpson's rule); elementary notions of double and triple integrals and their use; centre of gravity and moment of inertia.

*Differential Equations.*—Formation of a differential equation, ordinary and partial; equation of the first order (standard forms); linear equations of any order with constant coefficients; homogeneous linear equations; simple trajectories.

*Statics.*—Composition and resolution of forces; parallel forces, general conditions of equilibrium of a body under coplanar forces, centre of gravity and stability; work; virtual work; friction; simple machines.

*Graphical Statics.*—Funicular polygon; link and force polygon; shearing force and bending moment; stresses in a framework.

*Dynamics.*—Uniform and accelerated motion, laws of motion; impulse and impulsive forces; kinetic energy and potential energy; conservation of energy and momentum; projectiles; collision of elastic bodies; hydograph; tangential and normal acceleration; radial and transversal acceleration; elementary treatment of central orbits; simple harmonic motion; motion on a smooth curve; simple pendulum; units and dimensions.

*Hydrostatics.*—Fluid pressure at a point; centre of pressure; resultant pressure in a given direction; equilibrium of floating bodies, stability and metacentre; specific gravity; Boyle's and Charles' laws about gases; mixture of gases; barometer, homogeneous atmosphere; simple application of hydrostatics to machines such as diving bell, water pump, air pump, syphon and hydraulic press.

*Astronomy.*—Apparent motion of the heavens, principal constellations and the most conspicuous stars; celestial sphere; horizon, zenith; poles, meridian equinoctial points, solstices; astronomical clock, transit theodolite, sextant, chronometer; altitude; azimuth; magnitude of the earth; apparent annual motion of the sun; constellations of the zodiac; the ecliptic and its obliquity; seasons; sidereal time; solar time; equation of time, conversion of time.

Refraction; twilight; parallax; aberration, precession; and nutation (simple explanation); determination of clock error and rate by observation; determination of right ascension and declination of a heavenly body; latitude and longitude of a station; solar system and the motion of the planets; Kepler's laws; comets and meteors; motion of the moon and her phases; nodes; moon's sidereal and synodic period; eclipses of the sun and the moon; calendar; the use of the nautical almanac.

*Astrophysics.*—Laws of reflection and refraction of light; lenses; astronomical telescope; dispersion; achromatism; axial rotation of the sun and planets; study of the surface of the sun; sunspots; spectroscope; Doppler's principles; chemical elements in the sun; spectrum of sunspots; chromosphere, prominences; corona; sun's light and heat.

Star magnitudes, photometry; variable stars; novae; stellar spectra; star clusters; nebulae; milky way, theories of solar and stellar evolution.

## II. HISTORY.

*Paper III.*—(B) Elements of the Cultural History of India.(i) *Ancient up to 1206.*

Kautilya and his Socio-Political Philosophy.

Asoka: Originator of a new ideal for the Government.

Preacher of new ethical values for the society and popular educator.

Earliest Buddhist Art: Marya and Sunga.

Gupta Period: Drama and Art.

Harsha—India's Social, Intellectual and religious life in the 7th Century..

(ii) *Medieval Period 1206—1764.*

Rise of Islam: Islamic Social and Political Philosophy and Ideals.

Early Contact: Intellectual and Religious, between India and the Islamic Countries.

Peaceful penetration of Islam in India and Muslim Colonies.

The rise of the Muslim power in India and its nature and significance.

Social movements and salient features of the fusion of cultures: Hindus and Islamic.

History of the Muslim Art—Architecture and Painting.

(iii) *Modern Period 1765 to the present day.*

Rise of British Power in India and its effect on India.

Attempts at the Westernisation of India: The spread of Political Ideas and the introduction of Western education.

Social movements and their significance.

The Growth and Development of Indian Nationalism.

*Paper IV.*—History of Indian Culture.

Brief Outline of Pre-Aryan Civilisation.

Aryan Civilisation: Its Social, Political, Religious and Economical Aspects.

Age of Religious Struggle and its significance.

Mauryan: Political and Social Ideas and Ideals.

Origin of Indian Drama and the value of Gupta Art.



Brief Survey of the religious and social conditions in India in the 7th Century.

Intellectual and Religious Contacts between India and the Islamic Countries.

Peaceful Penetration of Islam in India.

The rise of the Muslim Political Power in India and its nature and significance.

Social Movements and salient features of the fusion of cultures: Hindu and Islamic.

Short History of the Muslim Art—Architecture and Painting.

Contact of the Eastern and Western Civilisations.

Result of such a Cultural contact Political, Social and Educational Problems.

The growth and development of Indian Nationalism.

### *Paper VI.*

#### GENERAL ECONOMICS.

*Introductory.*—Subject-matter of the Science and its definition. The divisions of the Science and their interdependence. Definition of wealth, capital, land, labour, utility, value and price.

*Land.*—Qualities and characteristics. Its difference from capital. The Law of diminishing returns. Land improvements. Land values and Economic progress.

*Labour.*—Distinctive qualities. Skilled and unskilled labour. Conditions of efficiency. Mobility of labour. The Law of population.

*Capital.*—Qualities, conditions of accumulation.

*Production.*—The three agents and the extent to which they are needed. Production on a large and small scale. The Employer. Machinery. Principle of substitution: Localisation of industry. Law of increasing returns. Law of constant returns.

*Consumption.*—Wants. Interdependence with activities. Necessaries and Luxuries. Diminishing utility. Consumer's surplus. Elasticity of demand. Fashion and custom.

*Exchange.*—Definition and criteria of a market. Demand and supply. Marginal supply and demand. Prices. Equilibrium of demand and supply. Influence of time. Wholesale and retail prices. Dealers and Speculators.

*Distribution.*—Analysis of interest, profits, rent, and wages. Gross, and net interest. Normal rate of interest and the changes

in it. Interest paid by agriculturists. The Classical Theory of rent. Its application to Indian conditions. Relation of rents to prices. Limitation of rents by Legislation. Real and nominal wage. Net advantages. Normal rate of wages. Changes in nominal wages. Effect of a rise in wages. Earnings of specialised occupations. Earnings of Management. The National dividend.

### INDIAN ECONOMICS.

*Introductory.*—Natural environments and how they moulded economic life in India. Special features of Indian Sociology and its condition with Indian Economics.

*Production.*—Special features of the factors of production in India. The condition of agriculture and means of its improvement. Forest, Mines, Indian animals; their economic importance. Manufactures in India, causes of their decay, suggestions for improvement. The place of foreign capital in the development of Indian Industries. Large scale versus small scale production. The Industrial Revolution. Factory labour. The beginning of the Labour problem.

*Distribution.*—Theory of distribution and its applicability to Indian conditions. Rent, Agricultural rents and Mining rents. Wages, connection between prices and wages. Interest, bank rates. The money-lender. Need of credit. Co-operative credit.

*Exchange.*—Currency, history of rupee, paper currency system, gold exchange standard, gold standard reserved. Home charges, council bills and reserved council. Advantages and weaknesses of the Indian Monetary system. Rate of Exchange. The nature and causes of the difficulties experienced during and after the War. Banking. Short history of the growth of Banking in India. Various classes of banks and their business. The Imperial Bank of India.

*Consumption.*—The standard of life. Effects of consumption on production. The necessary reforms.

*Taxation.*—Principles of taxation. Direct and indirect taxation. The Indian Financial system. The Budget and the annual financial statement. Public loans.

*The State and Economics.*—The Land revenue system, zamindari and raiyatwari tenures. Tenancy legislation. Famines—causes and effects, measures for prevention. The Co-operative movement in India; its benefits; its progress. Railways; history of their development; their present position and future prospects; the problem of State versus private railways; the bearing

of railway policy on the indigenous industries of the country. Irrigation; present condition: major and minor works; productive and protective works; prospects of future development. The State in relation to industry. Free-trade and Protection. India and Imperial preference. The effects of war on the various phases of economical life in India.

### SOCIOLOGY.

*Introductory.*—Subject-matter of the science, its definition and interdependent relations with the social sciences. The meaning of sociology. Its subdivisions. The method of sociology. The advantages of studying sociology.

*History.*—A brief survey of the development of sociology, social philosophy.

*The Structure of Society.*—Various conceptions of, and different kinds of society. The meaning of society.

*The Basis of Society.*—Family. Groups. Nationalities. Social population. Theory of population. Overpopulation and underpopulation.

*The Nature of Society.*—Human nature. The individual and the Group Mind.

*Social Processes.*—Individual social processes (Influenced by factors like climate, resources, environment, occupation, etc.).

*Socialization.*—Imitation, Compulsion. Sympathy. Interest and antagonism. Adaptation.

*Individualization.*—Differentiation. Opposition. Class struggle. Commercialization. Professionalization.

*Social Conflicts.*—Conflict of interests. Exploitation.

*Social Reconstruction.*—Social interactions. Cross-fertilization of culture.

### APPLIED SOCIOLOGY.

*Introductory.*—General sociology and applied sociology. The meaning and scope of applied sociology. Its relations to State economies, and ethics. Justification of applied sociology.

*Wealth and Welfare.*—The meaning of wealth and welfare, criterion of welfare. Theories of welfare. (Bentham, Mill, Pigou).

*Poverty and Pauperism.*—Causes of poverty. Its immediate remedies. Remedies of vice and crime.

*Social Pathology.*—Social decadence. Degeneration. Intemperance. The abnormals.

*Social Reform.*—Principles of social reform.

### III. ECONOMICS.

*Paper I*—Principles of Economics.

*Introduction:*—The Nature of Economic Phenomena. The significance of Economic Science. General conditions of Economic activity. Methods of Economic analysis.

*Wants and their satisfaction:*—A general view of consumption. Law of diminishing utility. Variation in the intensity of demand. Influences affecting demand: Distribution of means between gratification of different wants. The concept of consumer's surplus.

*Productions* Fundamental conditions of the wealth of society. Agents of production and their classification. Land and natural resources. The number and quality of the people. Theory of population. Supply of labour and the Iron Law of Wages. The Nature of capital. Direct and indirect production. Business organisation. Specialization of labour and land. Large scale production. External and Internal Economics. The Laws of increasing and decreasing returns.

*Exchange:*—Relation of production and exchange. The more important theories of value. Laws of supply and demand. Marginal utility and marginal cost. Value during long and short period: the concept of normal value. Joint and composite demand: Joint and composite supply. Value under Monopoly.

*Distribution:*—General theory of distribution. Theories of Wages, Interest, Profit and Rent.

*History of Economic Thought:* A brief view of the more important schools of Economists.

*Paper II.*—Money, Banking and International Trade.

The nature and functions of money. The value of money. The quantity theory of money. Currency System. The question of the Standard. Banks and their functions. Brief history and present position of Indian Currency and Banking. Theory of International values. Foreign Exchanges and equation of international indebtedness. India's Foreign Trade. Balance of trade and balance of account. Credit and Debit items in India's balance sheet. Examination of the "Drain" theory.

Currency and Banking in Hyderabad.

**Paper III.—Economic History.**

- (a) Economic History of India since the break-down of the Moghal Empire.
- (b) Economic History of England, since the Industrial Revolution.

The course will proceed on the following lines:—

- (a) (v) Economic Conditions in India in the early 18th Century.

(2) Economic History of India.

- (i) Under the East Company and
- (ii) Since 1857.

- (b) (1) England on the eve of, and during, the Industrial Revolution.

- (2) The Problems to which the Revolution gave rise and their treatment, e.g., trade unionism, factory legislation, poor relief, free trade, colonial policy, etc.

**Paper IV.—Agricultural Economics and Co-operation.**

(1) Economic problems of Agriculture in India. (Throughout this Course reference will also be to the conditions in Hyderabad). Definition of Agriculture. Importance of Agriculture in Man's Economic Life. Special significance of Agriculture in India on Economy. Present stage of Agriculture in India. Factors affecting Crop-production. Preservation of soil; the problem of soil erosion and of water-logging. Improvement of soil; the problem of manuring. Causes of the absence of the use of manures. Irrigation and their extent; the future of irrigation. The sub-division and fragmentation of agricultural land: the extent and causes of this evil and remedies for the future. Improvement of the quality of crops and the popularisation of improved varieties. The problem of Seed distribution. Protection of crops; internal and external. Motive power for agriculture. Importance of cattle in the agricultural economy of India and their present deplorable condition, its cause and remedies. Better feeding and the breeding of better species. Diseases of cattle and veterinary arrangements. Breeding of cattle for

Diary purposes, present condition of Dairy industry, use of improved implements and machinery. The marketing of agricultural produce. The present defective method of marketing and their injuries effect on the cultivator. Establishment of Regulated Markets. The Finance of Agriculture: Problem of Rural indebtedness; its causes and cures. Legislation as a means of removing rural indebtedness. Land-tenures and their influence on agricultural prosperity. Land Revenue Policy of Government, its bearing on the financial condition of the cultivators: The movement of Rural Reconstruction: its aims and methods. Improving the social and intellectual as well as the economic environment of the Villager.

(2) *Co-operation in India*:—What is Co-operation? Co-operation and its alternatives. The objects of a Co-operative Society. Some outstanding achievements of the movements outside India; origin and development of Co-operation in India. Land marks in the history of Co-operation in India. Analysis of the present situation; the financial and administrative structure of the movement. Primary societies and their Classification. The Central Banks, the Provincial Banks and the Unions. The All India Co-operative Institutes Association. Land Mortgage Banks, their present condition and future prospects; the law and practice of Co-operation. Co-operative book-keeping; The origin, development and present position of the movement in Hyderabad.

*Paper V.—(a) Indian Industries and Trade.*

(b) *Public Finance.*

(a) *Industries and Trade*: Present position of Industries in India. Cause of the Industrial downfalls. Scope for the development of new Industries. India's Industrial resources. Means of bringing about industrial revival. Fiscal policy of India. The problem of Free-trade versus Protection. Discriminate protection and its guiding principles. Imperial Preference; its objects and limitations. Technical and vocational education. Stores purchases policy. Activities of the Provincial Department of Industries. Appearance of Labour Problems in India. Factory Legislation: its history and present position. Workmen's compensation. Trade Unionism: the condition of Transport: Railways, their recent history and present policy. Roads versus Railways. The condition of water transport. Problems of Indian shipping. Cottage Industries: their present condition and future prospects.

Trade of India: external and internal. The character and direction of India's sea-borne trade. Coastal and Inland trade. Principal trade centres of India. Commercial intelligence and trade organisation.

(b) Public Finance, Economic functions of States. Public expenditure. Source of public revenue. General principles of Taxation, kinds of taxes. General structure of Indian Public Finance. Financial relations between the Central and Provincial Governments. Central Finance. Heads of Revenue and expenditure. Central (general) Budget. Railway Budget. Financial arrangements under the Federation. Provincial Finance: Heads of Revenue and Expenditure. Local Finance: inadequate resources of local bodies: its causes and means of improvement. Public expenditure in general and its criticism. The question of the burden of taxation.

The Revenue and Expenditure of Hyderabad State.

#### SOCIOLOGY.

*Paper VI.—(a) Theoretical Sociology.*

(b) *Applied Sociology and Indian Social institutions.*

(a) Theoretical Sociology—

*Introduction:—*Subject matter of Sociology, its definition and interdependent relations with other Social Sciences. The scope of Sociology. Its subdivisions. The method of Sociology. Advantages of studying Sociology.

*Structure and Basis of Sociology:—*Various conceptions of, and different kinds of society. The meaning of Society. Individual and the family. Groups (the clan, the tribe, the race, and the nation). Theory of Population. Under population and Over-population Problem.

*The Nature of Society:—*Human Nature. The Individual and the Group Mind.

*Socialization:—*Social processes (influenced by factors like Climate, Resources, Environment, occupation) Socializing factors: Imitation; Compulsion; Sympathy; Vanity; Adaptation.

*Individualization*:—Causes of defferentiation, Conflict of Interest. Opposition. Class Struggles. Commercialization Professionalization. Exploitation. Forms of Exploitation (Slavery and Serfdom). Subjection of Women, Castes and races)

*Social Reconstruction*:—Social Interactions. Crossfertilization of culture. Interprovincialism and Internationalism.

*History*:—Social Philosophy. Social Psychology. A brief survey of the development of Sociology.

#### (b) Applied Sociology and Indian Social Institutions.

*Introduction*:—General Sociology and Applied Sociology. The meaning and scope of Applied Sociology. Its relation to Science, Economics, Politics and Ethics.

*Wealth and Welfare*:—The meaning of wealth and welfare, Criterion of welfare. The standards of Living and Comfort. Theories of Welfare.

*Poverty and Pauperism*:—Causes of Poverty. Extent of Poverty. Principles of Relief. Private Philanthropy and Un-organised Charity. Charitable Institutions and organised Charity.

*Vice and Crime*:—Meaning of Vice and Crime. Extent of Vice and Crime. Remedies of Vice and Crime.

*Social Pathology*:—Social Decadence. Intemperance. The Abnormals.

*Social Reform*:—Principles of Social Reform. (Public Utility): Cultural Advantage: Protection Human Rights).

*Indian Social Institutions*:—The Caste System. The Problem of the Depressed Classes. The Joint Family System. Merits and Defects of the Indian Social Institutions with special reference to their economic bearings and consequence. Social characteristics of the Indian People. Islamic Influence and Influence on Mohammadans of Indian Institutions. The Effects of British Rule and Western Thoughts on Indian Society.



## IV.—PHILOSOPHY.

Problems of Philosophy:—

- |                             |   |
|-----------------------------|---|
| I. Introductory ..          | { <ol style="list-style-type: none"> <li>1. What is Philosophy. Poetry and Philosophy.</li> <li>2. Philosophy and Science.</li> <li>3. Philosophy and Religion.</li> <li>4. Method in Philosophy.             <ol style="list-style-type: none"> <li>(a) Is Philosophy possible or profitable?</li> <li>(b) Positivism.</li> <li>(c) Scepticism.</li> <li>(d) Mysticism.</li> <li>(e) Instrumentalism.</li> <li>(f) Logic-analytical Method.</li> <li>(g) Deductive Method.</li> </ol> </li> </ol>  |
| II. Cosmological Inquiries. | { <ol style="list-style-type: none"> <li>(1) The Cosmos : 1. Our Universe.             <ol style="list-style-type: none"> <li>2. Space and time.</li> <li>3. Space—Time.</li> <li>4. Bergson Theory of Time</li> <li>5. The Origin of Earth.</li> </ol> </li> <li>(2) The Nature &amp; Origin of Life.             <ol style="list-style-type: none"> <li>The Nature of Life.</li> <li>Mechanism.</li> <li>Vitalism.</li> <li>Emergent Evolution—The Theory of Levels.</li> </ol> </li> <li>(3) The Philosophy of Evolution.             <ol style="list-style-type: none"> <li>Herbert Spencer.</li> <li>Lamarck.</li> <li>Darwinism.</li> <li>The assumption in Darwinism and its difficulties.</li> <li>Creative Evolution.</li> </ol> </li> </ol> |
| III. Ontological Inquiries. | { <ol style="list-style-type: none"> <li>(1) Monism             <ol style="list-style-type: none"> <li>1. Materialism—Naturalism. Energetics.</li> <li>2. Idealism or Spiritualism.                 <ol style="list-style-type: none"> <li>Platonic Idealism.</li> <li>Subjective Idealism.</li> <li>Idealism of Leibniz.</li> <li>Pansychism.</li> <li>Voluntaristic Idealism.</li> <li>The Idealism of Kant.</li> <li>Absolute Idealism.</li> <li>Personalism.</li> </ol> </li> </ol> </li> </ol>   |

(2) Dualism.

(3) Pluralism.

- IV. The theory of Knowledge or Epistemology.
- |   |                                     |
|---|-------------------------------------|
| { | I. The sources of knowledge.—       |
|   | Rationalism.                        |
|   | (a) Metaphysical Rationalism.       |
|   | (b) Mathematical Rationalism.       |
|   | (Plato, Descartes, Spinoza, &c.)    |
|   | (c) Formalistic Rationalism (Kant). |
|   | (2) Empiricism.                     |
|   | II. The Validity of knowledge       |
|   | Realism.                            |
|   | Idealism—subjective, objective.     |
| { | III. Pragmatism—Doctrine of Truth.  |
|   | (a) Correspondence Theory of Truth. |
|   | (b) Coherence       "       "       |
|   | (c) Pragmatistic     "       "      |

*Indian Philosophy :—*

1. The Philosophical implications of Vedic religion.
  - (a) The sense of the one in the many.
  - (b) The question of Monotheism and Pantheism.
  - (c) Cosmology.
2. Philosophy of the Upanishads.
  - (a) Concepts of Atman and Brahman
  - (b) Law of Karma.
  - (c) Ethics and theory of knowledge in the Upanishads.
  - (d) Beginnings of Sankhya, Yoga and other systems.
  - (e) Idealism and Realism.
  - (f) Philosophy of the Absolute.
3. Early systems of Religious Philosophy Gita—its doctrines.
4. Systems of Philosophy—Darshanas.
  - (a) Charvaka.

## (b) Buddhistic systems.

1. Doctrine of Truth and Error.
2. Theory of Being and Dialectic.
3. Ethical Disciplines.
4. Philosophical standpoints.

## (c) The Nyaya—Vaisheshika.

1. Epistemology and Logic.
2. Theory of Reality.
3. Theory of Causation.
4. The atomic theory—Arambha Vada.
5. Psychology.
6. The proof of existence of Soul and God.
7. Apaverga and its means.

## (d) Sankhya—Yoga.

1. Classification and analysis of the **Pramanas**.
2. Theory of Reality Evolution and Involution.  
Pursha and Prakriti.
3. Sat Karva Vada.
4. Psychology—Parinama Veda.
5. Practical philosophy.
6. The Individual and the World.
7. The question of Idealism.
8. The concept of Ishwara.

## (e) Purva Mimansa.

1. The Doctrine of Atman.
2. Realism and Conceptualism.
3. Different views of Mukti.

## (f) Utra Mumausa (Advaita)

1. Theory of knowledge, logic and dialectics.
2. Brahma Maya and Avidya.
3. Theories of Creation -Vivarta and Parinama.
4. Ethical standard—Self Realisation, Nishkama Karma
5. Steps of Realisation.
6. Mukti.
7. Saguna Brahma and Nirguna Brahma.
8. Other Development.

(a) Vishishtadvaita.

(b) Dviata.

(c) Shudhavaita, etc.

*Islamic Philosophy:—*

- (1) Ilm-ul-kalam.
- (2) Pure Philosophy.
- (3) Mysticism.

*A. Ilm-ul-kalam.—*

- (1) Freedom and necessity.
- (2) The relation of Divine Being to its attributes.
- (3) The word of God created or eternal.
- (5) Prophethood and Revelation.
- (6) Substance and attributes.
- (7) The problem of values.

The above problems to be studied chiefly with reference to the teachings of Wasil ibn-i Ata, Abulhasan Ashari, Abul Huzail Allaf, Nazzam, Ghazzali, Ibn Rushd.

*B. Pure Philosophy:—*

Logic, Metaphysics and Ethics, Alkindi, Farabi, Ibn Sina, Ibn Rushd, Ibn Miskwaik, Shaikh-ul-Ishraq.

*C. Tasawuf:—*

The mystical elements in the Holy Quran and the Hadis.  
The special doctrines of Tasawaf.

Historical Influences.

The relation of Islamic Mysticism to non-Islamic doctrine like Neoplatonism, etc.

*Psychology:—*

1. Definition, Scope, Methods and Postulates of Psychology.
2. Psychology of the Nervous system.
3. Attention.
4. Sensations—General Nature.
5. Perception.—
  - (1) of space.
  - (2) of time.
  - (3) of Reality.

6. Imagination :—Association, Dreams, Play.
7. Memory.
8. Conception.
9. Reasoning.
10. Intelligence—General Nature.
11. Feelings and Emotions.
12. Instinct.
13. Learning, and Habit Formation—Imitation.
14. Will.
15. Self.
16. Nature of consciousness—Automaton theory, Behaviourism, Purposive Psychology.

## B. Sc. EXAMINATION.

### I PHYSICS (MAIN).

*Theory.*—The course includes a more extended study of the matter included in the Intermediate Course and in addition the following :—

#### *General Physics and Properties of Matter.*

Uniform motion in a circle. The Hodograph. Simple Harmonic Motion—Composition of Simple Harmonic Motions. Angular Velocity and angular accelerations.

Angular momentum. Moments of Inertia in simple cases. Gravitation. The Compound Pendulum and accounts of experiments to find the mean density of the Earth.

Elasticity. Hooke's Law. Compressibility of gases (at high and low pressure) and liquids. Compressibility and Rigidity of Solids. The Elastic Limits. Strain due to simple longitudinal pull. Young's Modulus and its expression in terms of 'k' and 'n'.

Bending in one plane of bars of simple and uniform cross-sectional area. Simple twisting of wires of circular cross sectional area by couple in plane at right angles to length. Torsional rigidity. Application to torsion balance and shafts. The Bifilar suspension.

Capillary phenomena and general theory of Surface Tension.

Diffusion of Liquids and Gases. Osmosis. Viscosity. The elements of Kinetic Theory and its application to explain the simple gas laws. Van der Waal's equation. Modern method of producing high Vacua and of measuring pressure in them.

*Heat*.—The methods of calorimetry and thermometry. Vapour pressures. Critical temperature. Conduction and diffusion of heat and the determination of constants. Radiation and Absorption. Laws of Cooling. Methods of measuring radiation. Stefan's Law. Laws of Thermodynamics and their simple applications. Entropy.

*Light*.—Velocity of Light. Photometry. Combination of two or more thin lenses. Thick lenses. Achromatism in lens system. The Telescope and the Microscope. Direct vision spectroscope. Rainbow.

The Wave theory. Simple Interference Phenomena. Huygen's Principle. Explanation of Rectilinear propagation. Reflection and Refraction of light. Action of mirrors, prisms and lenses reviewed from this stand point.

Simple Diffraction Phenomena. Diffraction Gratings and determination of wave lengths. Spectrum analysis. Line and Band Spectra. Elementary knowledge of Bohr's theory of Hydrogen Spectrum. Doppler's Principle. Double Refraction and Polarisation of Light. Rotatory polarisation, Simple applications.

*Magnetism*.—Forces on a magnet in a magnetic field. Magnetic Moment and intensity of magnetization. Magnetic potential and equipotential lines and surfaces. Interaction of two short magnets. Determination of field strength.

Magnetic Shell. Its potential energy in a magnetic field. Magnetic induction in magnetic substances. Magnetic permeability and susceptibility. Outline of the theory of magnetism.

The magnetic field of the Earth. The magnetic elements and their variations. The Compass and its corrections.

*Electricity*.—Electric Capacity. Dielectric constant. Distribution of Electricity on a surface of conductors. Total normal induction. Gauss's theorem. Value of electric forces in simple induction. Electric images. The Mechanical force on charged conductors. Energy of electrified system. Electrometers and their use.

Tubes of induction and lines of force. Stresses in tubes and pressure at right angles to them.

Wheatstone's bridge. Specific resistance. Resistance thermometer. Conductivity of electrolytes. Ionisation. Migration of Ions. Accumulators. Standard cells. The potentiometer system of measurements. Thermoelectricity. Application of

thermodynamics. Peltier and Thomson's effects. Thermoelectric diagrams. Electromagnetic induction. Induction-coils. Energy of circuit carrying current when placed in a magnetic field. Mechanical force on conductors carrying a current. Moving coil instruments. Theory of Ballistic galvanometers. Lenz's Law. Determination of current, resistance, E. M. F. and capacity in absolute measure. Elements of alternating current theory. The oscillatory discharge of a condenser.

The elementary theory of the continuous current dynamo and motor. General principles of the application of electricity to lighting. Power transmission. Telegraphy and Telephony.

Elements of wireless telegraphy and telephony, with the theory of the thermionics. The discharge of electricity through gases. X-Rays and radioactive phenomena.

*Sound.*—The transmission of energy through material media by wave motion. Speed of propagation of waves of permanent type. Forced and free vibrations. Resonance. Nature of musical sound. Pitch scales. Reflection and refraction of sound. The vibration of string, bars, plates and gas columns. Organ pipes. Interference phenomena. Analysis of sound. Sensitive flames. Sound ranging. Measurement of wave length, velocity and pitch.

*Practical Course.*—Candidates will be required to possess general acquaintance with the phenomena and to make Physical measurements dealing with these phenomena.

### PHYSICS (SUBSIDIARY).

The course will be of somewhat lower standard than that in which Physics is taken as a main subject and the syllabus will be the following:—

*General Physics and Properties of matter.*—

Uniform motion in a circle. The Simple Harmonic Motion. Composition of Simple Harmonic Motions. Angular Velocity and angular accelerations.

Angular momentum. Moments of Inertia in simple cases.

Gravitation. Elasticity. Hooke's Law. Compressibility of gases (at high and low pressure). Young's Modulus. Torsion balance.

Capillary phenomena and surface Tension.

Diffusion of liquids and gases. Viscosity. The elements of Kinetic theory and its application to explain the simple gas laws. Van der Waal's equation. Methods of producing high vacua, Macleod Gauge. Resultant pressure and centre of pressure in simple cases.

*Heat.*—The methods of calorimetry and thermometry. Vapour pressures. Critical temperature. Conduction and diffusion of heat and the determination of constants. Radiation and Absorption. Laws of Cooling. Methods of measuring Radiation. Laws of Thermodynamics and their simple applications.

*Light.*—Velocity of Light. Photometry. Achromatism in lens systems. The Telescope and the Microscope. Direct vision spectroscopy.

The Wave theory. Simple Interference Phenomena. Huygen's Principle. Explanation of Reflection and Refraction of light. Action of mirrors, prisms, and lenses reviewed from this stand point.

Simple Diffraction Phenomena. Diffraction Gratings and determination of wave lengths. Spectrum analysis. Line and Band spectra. Elementary knowledge of Bohr's theory of Hydrogen Spectrum. Doppler's Principle. Double refraction and polarisation of light. Rotatory polarisation. Simple applications.

*Magnetism.*—Forces on a magnet in a magnetic field. Magnetic Moment and intensity of magnetization. Magnetic potential. Determination of field strength.

Magnetic Shell. Magnetic induction in magnetic substances. Outline of the Theory of magnetism.

The magnetic field of the Earth. The magnetic elements and their variations.

*Electricity.*—Electric Capacity. Dielectric constant. Lines of force, Coulomb's Law. Quadrant Electrometer.

Wheatstone's bridge. Specific resistance. Resistance thermometers. Conductivity of electrolytes. Ionisation. Migration of Ions. Accumulators. Standard cells. The potentiometer system of measurements. Thermoelectricity and Thermocouples. Peltier and Thomson's effects. Electromagnetic induction. Induction coils. Energy of circuit carrying current when placed in a magnetic field. Mechanical force on conductors carrying a current. Moving coil instruments. Ballistic galvanometers. Lenz's Law. Determination of Current, Resistance, and E.M.F. and capacity in absolute measure.



Elementary theory of the Direct Current Dynamics and motor.

The discharge of electricity through gases. Cathode rays, Hertzian waves and X-Rays.

Thermionic valve.

*Sound.*—The transmission of energy through material media by wave motion. Speed of propagation of waves of permanent type. Forced and free vibrations. Resonance. Nature of musical sound. Pitch scales. Quality. The vibration of strings, and gas columns. Measurement of wave length, velocity and pitch.

*Practical course.*—(Candidates will be required to possess general acquaintance with the phenomena and to make Physical measurements dealing with these Phenomena.

#### PRACTICAL WORKS FOR SUBSIDIARY PHYSICS.

##### *Properties of matter.*

- (1) Young's Modulus by stretching of wire.
- (2) Surface Tension of a liquid by rise in a capillary tube and by drop method.
- (3) Viscosity of a liquid by flow through a Capillary tube.

##### *Heat.*

- (4) Co-efficient of Expansion of a liquid by Weight Thermometer.
- (5) Constant Volume and Constant Pressure Gas Thermometers.
- (6) Melting point of a solid.
- (7) Specific Heat of solids and liquids with Radiation Correction.
- (8) Co-efficient of Thermal Conductivity of:—
  - (a) Good conductors (Searle's method).
  - (b) Bad „ (Lees' method)
- (9) Mechanical Equivalent of Heat.

##### *Sound.*

- (10) Determination of Frequencies of tuning forks with a sonometer.
- (11) Velocity of Sound by Kundt's tube.
- (12) Melde's experiments.

*Light.*

- (13) Refractive Index of a liquid and a solid by means of a Spectrometer.
- (14) Focal lengths of mirrors and thin lenses using an Optical Bench.
- (15) Wave length of a monochromatic light by Diffraction Grating.
- (16) Photometry.

*Magnetism.*

- (17) Determination of 'M' and 'H'.
- (18) „ of magnetic Dip.

*Electricity.*

- (19) Measurement of Current by Tangent Galvanometer.
- (20) „ Specific Resistances of wire:—
  - (a) by Metre Bridge.
  - (b) by Post Office Box.
- (21) Measurement of Internal Resistance of a cell by Potentiometer.
- (22) Measurement of current by Potentiometer.
- (23) Comparison of E. M. F.'s Potentiometer.
- (24) Measurement of Temperature Co-efficient of resistance of coil.
- (25) Determination of Electro-Chemical Equivalents of H and Copper.
- (26) Determination of the Mechanical Equivalent of heat by Joule's Calorimeter.
- (27) Measurement of Temperature by Thermo—Electric Couple.
- (28) Comparison of Capacities by Ballistic Galvanometer (Direct Deflection Method).

## II CHEMISTRY (MAIN).

*Theoretical.*

*General and Physical.*—Laws of chemical action, atomic and molecular theories, determination of atomic and molecular weights, general properties of gases, liquids and solids, kinetic theory. Van der Waal's Equation. The Phase Rule, Law of Mass action, Catalysis, thermochemical changes, properties of solutions, Osmotic Pressure, Electrolytic Dissociation. Avidity of acids and bases, relation of physical properties to constitution, crystalline structure, radio active property of matter, classification of elements.

*Inorganic.*—Systematic study of the following elements and their important compounds:—

Elements of the Zero Group, Lithium, Sodium, Potassium, Rubidium, Cæsium Copper, Silver, Gold, Glucinium Magnesium, Calcium, Strontium, Barium Zinc, Cadmium Mercury, Boron, Aluminium, Thallium, Carbon, Silicon, Zirconium, Tin, Lead, Nitrogen, Phosphorus Arsenic, Antimony, Bismuth, Oxygen, Sulphur, Selenium, Tellurium, Chromium, Molybdenum, Tungston Fluorine, Chlorine, Bromine, Iodine, Manganese, Iron, Cobalt, Nickel and Platinum. Important Radio-active elements.

*Organic.*—Modes of occurrence, preparation, characteristics and constitutional formulæ of the following:

The Paraffins, Olefines, Acetylenes and their derivatives, *viz.* haloid derivatives, alcohols, ethers, aldehydes, ketones and acids, Amines, Amides, Di-carboxylic acids, Hydroxyacids, Glycol; Glycerine, Compounds of the alcohol radicals with sulphur, nitrogen, phosphorus, arsenic and silicon, organic metallic bodies, carbonydartes, Glucosides, cyanogen, hydrocyanic acid, urea, and uric acid. Benzene, its homologues and their principal substitution derivatives, diazo-, Azo-, Azoxy-, hydrozo—compounds. Naphthalene, Anthracene and their principal derivatives, pyridine, pyrrol, quinoline, and its common alkaloids.

Theory of Sterio-isomerism.

*Practical.*

*Inorganic.*—

- (1) Analysis of mixtures of salts, containing not more than four radicals.
- (2) Gravimetric estimation of copper, iron, aluminium, calcium, magnesium, sulphate, chloride, carbonate.

- (3) Volumetric analysis comprising (a) titration of acids, alkalies and alkaline carbonates. (b) Estimation of iron with permanganate and bichromate (c) Use of standard Iodine solution, and (d) titrations involving precipitation.

- (4) Simple Inorganic preparations.

The preparation of the following organic compounds:-

Chloroform. Ethylene. Ethylbromide, Ether, Iodoform, Ethyl Acetate. Oxalic acid. Nitro-Benzene. Aniline. Acetanilide. Phenol. Methyl Orange. Benzoic acid. Sulphanilic acid.

### CHEMISTRY (SUBSIDIARY).

*General and Physical.*—Elementary ideas on modern Atomic Theory and Valency; properties of Solutions; osmotic pressure and related phenomena; Theory of electrolytic dissociation, transport numbers, conductivity, Law of Mass Action, Velocity of reactions, catalysis, Thermo-chemical changes. Radioactive properties of matter.

*Inorganic.*—Classification of the elements; Systematic study of the following elements and their important compounds.

Hydrogen, Argon, Sodium, Potassium, Copper, Silver, Gold, Magnesium, Calcium, Strontium, Barium, Zinc, Mercury, Boron, Aluminium, Carbon, Silicon, Tin, Lead, Nitrogen, Phosphorus, Arsenic, Oxygen, Sulphur, Chlorine, Bromine, Iodine, Manganese, Iron.

*Organic*—The modes of occurrence, preparation, characteristics, and constitutional formulæ of the following:

The paraffins and their chief derivatives *viz.*, haloid derivatives, alcohols, ether, aldehydes, ketones and acids, Amines, Amides, Oxalic, Succinic, Tartaric, Citric acid, Lactic acid, more important carbohydrates, Ethylacetoacetate, Benzene, its homologues and its principal substitution derivatives, Naphthalene.

*Practical.*—Qualitative analysis of inorganic substances, containing not more than two radicals.

Volumetric estimation of alkalies and acids, Estimation of Iron with permanganate. Use of standard iodine solution.

Gravimetric estimation of Copper, Calcium and Chlorine.

## III. BOTANY (MAIN).

1. *External Morphology*.—The detailed morphology of the root, shoot, and reproductive organs, (including fruits and seeds), floral mechanisms and seed dispersal.

2. *Histology*.—The structure of the cell, the cell-contents, their micro-chemical reactions, cell-division (Karyokinetic and other methods of division). The origin and growth of tissues, and their distribution; the secondary tissues of the flowering plants.

3. *Systematic*.—Principles of classification. The Morphology, physiology and life-histories of the following groups and types:—

(a) *Cryptogams*:—Bacteria, Cyanophyceae (*Oscillaria*, *Nostoc*); Diatomaceae; Conjugatae, (*Spirogyra*, *Desmids*), Chlorophyceae (*Chlamydomonas*, *Volvox*, *Pleurococcus*, *Ulothrix*, *Oedogonium*, *Cladophora*, *Vaucheria*); Characeae, (*Chara*); Phaeophyceae (*Fucus*); Rhodophyceae (*Callithamnion*); Myxomycetes (General characters only); Phycomycetes (*Pythium*, *Mucor*); Ascomycetes (Yeast, *Eurotium*, *Claviceps*); Basidiomycetes, (*Ustilago*, *Puccinia*, *Agaricus*); Lichens (general characters only). Hepaticae (*Marchantia*); Musci (*Funaria*); Filicineae (*Ophioglossum*, *Nephrolepis*, *Marsilia*; Equisetales (*Equisetum*); Lycopodiales (*Selaginella* and *Lycopodium*).

(b) *Phanerogams*:—Cycadaceae (*Cycas*); Coniferae (*Pinus*); Gramineae, Araceae, Palmae, Liliaceae, Amaryllidaceae, Scitamineae, Anonaceae, Nymphaeaceae, Papaveraceae, Cruciferae, Malvaceae, Rutaceae, Meliaceae, Sapindaceae, Anacardiaceae Leguminosae, Lythraceae, Passifloraceae, Cucurbitaceae, Cactaceae, Umbelliferae, Rubiaceae, Compositae, Apocynaceae, Aeclepiadaceae, Boraginaceae, Convolvulaceae, Solanaceae, Scrophulariaceae, Bignoniaceae, Acanthaceae, Verbenaceae, Labiatae, Nyctaginaceae, Urticaceae and Euphorbiaceae.

4. *Physiology*:—Turgidity and tension of tissues; Nutrition—the food of plants and its absorption; Osmosis, Root-pressure, Conduction of food; Transpiration; Photosynthesis; Digestion and transference of the food products of assimilation; storage of food; Nutrition of parasites, Saprophytes, and insectivorous plants, Respiration, Enzymes and the digestion of reserve food, Growth, the effect of external influence on growth; Movements, Protoplasmic movements, Inhibition movements, Heliotropism, Geotropism, Chaerotropism, Contact stimuli and their effects.

5. *Ecology*.—The reaction of plants to their environments as illustrated by aquatic plants, hygrophytes, mesophytes, and Xerophytes.

6. *Evolution*.—Variation, Heredity and Evolution.

### *Practical.*

The practical examination shall include:—

- (a) Examination and description of plants or parts of plants.
- (b) Examination and description of microscopic specimens.
- (c) Identification of specimens.
- (d) A knowledge of micro-technique including fixing, staining, and section-cutting.
- (e) A practical knowledge of simple physiological experiments.

The students are expected to keep a complete record of laboratory work in a special note-book.

### BOTANY-SUBSIDIARY.

1. *External Morphology*.—The detailed morphology of the root, shoot, and reproductive organs, (including fruits and seeds) Floral mechanism and seed dispersal.

2. *Histology*.—The structure of the cell, the cell-contents and their micro-chemical reactions, cell-division (Karyokinetic and other methods of division). The origin and growth of tissues and their distribution, the secondary tissues of the flowering plants.

3. *Systematic*.—Principles of classification. The morphology physiology and life-histories of the following groups and types:—

*Cryptogams*.—Bacteria. Cyanophyceæ (Nostoc), Conjugatæ (Spirogyra), Chlorophyceæ (Chlamydomonas, Volvox; Spirogyra and Oedogonium), Phaeophyceæ (Fucus), Phycomycetes (Mucor), Ascomycetes (Yeast, and Claviceps), Basidiomycetes Puccinia graminis and Agaricus), Hepaticæ (Marchantia), Musci (Funaria), Filicinae (Pteris and Marsilia, Equisetum, Selaginella).

*Phanerogams*.—Cycadaceæ (Cycas), Coniferæ (Pinus), Gramineæ, Palma, Liliaceæ, Anonaceæ, Papaveraceæ, Cruciferae, Malvaceæ, Anacardiaceæ, Leguminosæ, Myrtaceæ, Passifloraceæ, Cucurbitaceæ, Compositæ, Apocynaceæ, Asclepiadaceæ, Solanaceæ, Labiata, Urticaceæ, and Euphorbiaceæ.

4. *Physiology*.—Turgidity and Tension of tissues. Nutrition the food of plants and its absorption. Osmosis, root-pressure, conduction of food, transpiration, photosynthesis; digestion and transference of the food, products of Assimilation, Storage of food, the Nutrition of parasites, Saprophytes and insectivorous plants. Respiration, reserve food; Growth, Movements, Protoplasmic movements. Inhibition movements, Heliotropism, Geotropism, Chemotropism, Contact Stimuli and their effects.

5. *Ecology*.—The reaction of plants to their environments illustrated by aquatic plants, hygrophytes, mesophytes, and Xerophytes.

6. *Evolution*.—Variation. Heredity and evolution.

N. B.—Physiology and Ecology to be treated in an elementary manner.

### *Practical.*

The Practical examination shall include:—

- (a) Examination and description of plants or parts of plants.
- (b) Examination and description of microscopic slides.
- (c) Identification of specimens.
- (d) A knowledge of section cutting and micro-technique including fixing and staining.
- (e) A practical knowledge of simple Physiologyeal experiments.

Candidates should keep a complete record of laboratory work in a special note-book.

## IV. ZOOLOGY (MAIN)

*Paper I*.—The general principles of Zoology treated in an elementary manner, including the theory of Evolution with general notions of Variation, Heredity and Adaptation. Recapitulation hypothesis. The structure and phenomena of the

animal cell, and the classification and characteristics of the common forms of animal tissues. Sexual and Asexual modes of reproduction; Parthenogenesis; Alternation of generations, and Metamorphosis. General principles of Classification. The elementary principles of Geological and Geographical distribution of animals. 90 Marks

*Paper II.*—The structure, habits, and development of the Non-chordata as illustrated by:

*Protozoa*—Amoeba; Euglena; Monocystis; Malarial parasite; Paramœcium; Vorticella; Polystomella; Trypanosoma.

*Porifera*—Sycon.

*Coelenterata*—Hydra; Obelia; Aurelia; a simple coral (Fungia).

*Platyhelminthes*—Liver-fluke; Taenia.

*Nemathelminthes*—Ascaris.

*Annelida*—Pheretima; Nereis; Leech.

*Echinodermata*—Star-fish and a Sea-urchin.

*Arthropoda*—Prawn (complete dissection) Daphnia and Cyclops (general characters only); Cockroach; Anopheles; Housefly; (Musca); Scorpion; and a Centipede (Scolopendra—External characters and mouth-parts).

*Mollusca*—Fresh-water mussel (Unio) and Apple-snail (Pila). 90 Marks.

*Paper III.*—The principal characteristics, structure, and habits of Chordata as illustrated by *Acerania* :—

*Hemichordata*—Balanoglossus.

*Urochordata*—Ciona or any other Ascidian from Indian seas (Rhabdocynthia); Botryllus.

*Cephalochordata*—Amphioxus.

CRANIATA :—

*Cyclostomata*—Petromyzon and Hag-fish (general characters only).

Pisces—

*Amphibia*—The Frog (*Rana tigrina*). General characters Urodela and Gymnophiona, with typical examples.



*Reptilia*—Calotes or any other lizard. *General characters of Lacertilia, Ophidia, Rhynchocephalia, Chelonia and Crurodilia (with typical examples).*

*Aves*—Columba (Skeleton of fowl may be substituted). *Distinctions between Ratitae and Carinatae with typical examples.*

*Mammalia*—The general characters of Prototheria and Metatheria as illustrated by Echidna and Kangaroo respectively; Rabbit (Skull of Dog may be substituted). *General characters of the various orders of sub-class Eutheria with typical examples.*

The outlines of the development of Amphioxus, Ciona, the frog, chick, and rabbit. Amnion and allantois; Placentation. The elementary physiology of the various organs of the animal body as illustrated by Frog and Rabbit. 90 Marks.

#### *Practical Course.*

Candidates will be required to show a knowledge of simple microscopic technique and to examine, dissect, or describe the following:—

Amoeba; Monocystis; Malarial parasite; Paramœcium; Sycon; Hydra; Obelia; Liver-fluke; Taenia; Ascaris; Pheretima; Leech; Star-fish; Prawn; Cockroach; Scorpion; Fresh-water mussel; Pila; Ciona or Rhabdocynthis; Botryllus; Petromyzon; Careharias; (or Sceliodon); Murrel; Frog; Lizard; Pigeon; four types of birds' skulls; Rabbit; dog's skull and Echidna (limbs and limb-girdles only). Simple section-cutting and staining methods..

Laboratory sketch-books containing complete record of bonifide work, as certified by the teacher, must be produced at the practical examination.

*N.B.*—Out of the marks allotted for the practicals 10 per cent. marks will be reserved for the practical records.

#### ZOOLOGY (SUBSIDIARY)

The whole examination will comprise two theory papers and a practical test.

Elementary knowledge of the Animal cell; Asexual and Sexual modes of Reproduction; Parthenogenesis; Alternation of generations, and Metamorphosis. The elementary facts of Evolution, Heredity and Variation;

The elementary Principles of Classification, and those of Geological and Geographical Distribution of Animals. Elementary knowledge of the various kinds of tissues.

The structure, habits and development of the following types of Non-Chordata:

*Protozoa*—Amoeba; Monocystis: Paramœcium; Malarial Parasite.

*Porifera*—Sycon.

*Coelenterata*—Hydra and Obelia.

*Platyhelminthes*—Liver-fluke and Taenia.

*Nemathelminthes*—Ascaris.

#### V. MATHEMATICS—(MAIN).

*Algebra*.—Interest and annuities, inequalities, simple tests of convergence of series, partial functions, summation of series; continued fractions; indeterminate equation of the first degree.

*Theory of Equations and Determinants*.—Relation between the roots and coefficients of an equation, solution of the biquadratic equation, solution of numerical equation by Horner's method. Development and elementary properties of determinants, and their application to the solution of linear simultaneous equations and in elimination.

*Trigonometry*.—De Moivre's Theorem; expansions of trigonometric functions; hyperbolic and inverse functions; summation of series; expression of trigonometric and hyperbolic function as infinite products.

*Analytical Geometry of two dimensions*.—Cartesian and polar co-ordinates; transformation of axes; straight line; circle; parabola; ellipse, hyperbola; the general equation of second degree; tangents; normals; foci; directrices; conjugate diameters; parametric representation; tracing of curves given by general second degree equation; polar equations of conics.

*Analytical Geometry of three dimensions*.—Equations of the plane and the straight line; standard forms of the equations of sphere and ellipsoid.

*Differential and integral calculus*.—Limits and continuity of functions; differentiation (standard forms); successive differentiation; mean value theorem; Taylor's and Maclaurin's theorem

(with remainder) for a single variable; expansion of functions in power series; indeterminate forms; partial differentiation; maxima and minima of a function of a single variable; curvature; asymptotes; envelopes; curve tracing.

General methods of integration; standard forms; reduction formulæ; rectification of plane curves; quadrature; surfaces and volumes of solids of revolution; approximate evaluation of definite integrals (Simpson's rule); elementary notions of double and triple integrals and their use; centre of gravity and moment of inertia.

*Differential Equations.*—Formation of a differential equation, ordinary and partial; equation of the first order (standard forms); linear equations of any order with constant coefficients; homogeneous linear equations; simple trajectories.

*Statics.*—Composition and resolution of forces; parallel forces, general conditions of equilibrium of a body under coplanar forces, centre of gravity and stability; work; virtual work; friction; simple machines.

*Graphical Statics.*—Funicular polygon; link and force polygon; shearing force and bending moment; stresses in a framework.

*Dynamics.*—Uniform and accelerated motion; laws of motion; impulse and impulsive forces; kinetic energy and potential energy; conservation of energy and momentum; projectiles; collision of elastic bodies; hodograph; tangential and normal acceleration; radial and transversal acceleration; elementary treatment of central orbits; simple harmonic motion; motion on a smooth curve; simple pendulum; units and dimensions.

*Hydrostatics.*—Fluid pressure at a point; centre of pressure; resultant pressure in a given direction; equilibrium of floating bodies, stability and metacentre; specific gravity; Boyle's and Charles' laws about gases; mixture of gases; barometer, homogeneous atmosphere; simple application of hydrostatics to machines such as diving bell, water pump, air pump, syphon, and hydraulic press.

*Astronomy.*—Apparent motion of the heavens, principal constellations and the most conspicuous stars; celestial sphere; horizon; zenith; poles; meridian equinoctial points, solstices; celestial co-ordinates; astronomical instruments; viz., telescope; astronomical clock, transit theodolite, sextant, chronometer; alt-azimuth; magnitude of the earth; apparent annual motion of the sun; constellations of the zodiac; the ecliptic and its obliquity; seasons; sidereal time; solar time; equation of time, conversion of time.

Refraction; twilight; parallax; aberration; precession; and nutation (simple explanation); determination of clock error and rate by observation; determination of right ascension and declination of a heavenly body; latitude and longitude of a station; solar system and the motion of the planets; Kepler's laws; comets and meteors; motion of the moon and her phases; nodes; moon's calendar; the use of the nautical almanac.

#### MATHEMATICS. (SUBSIDIARY).

*Algebra*.—Simple tests of convergency of series. Exponential and Logarithmic Series. Simple cases of Summation of series. Determinants and their application in solving linear simultaneous equations and in elimination. Cardan's Solution of the Cubic.

*Trigonometry*.—De Moivre's Theorem and easy deductions therefrom. Hyperbolic Functions. Simple cases of Summation of Series.

#### *Analytical Geometry of Two Dimensions*.—

Cartesian and Polar Co-ordinates, Simple transformation of axes. Straight line, Circle; Parabola, Ellipse and Hyperbola. Tracing of curves given by the general second degree equation.

*Differential and Integral Calculus*.—Continuity of functions, differentiation (standard form). Successive differentiation. Mean value theorem. Taylor's and Maclaurin's Theorems. Expansions, Indeterminate forms, Partial differentiation. Maxima and Minima of functions of a single variable. Points of inflexion, Curvature.

General methods of integration, standard forms, elementary reduction formulæ involving trigonometrical functions, definite integrals, rectification, quadrature, volumes and surfaces of solids of revolution, approximate evaluation of definite integrals, (Simpson's Rule).

Simple applications of the Calculus to physical examples. Elementary treatment of double and triple integrals. Centre of gravity and moment of Inertia.

*Differential equations*.—Equations of the first order, standard forms, linear equations with constant co-efficients. Simple cases of particular integral.

*Statics*.—Composition and resolution of Coplaner forces, parallel forces. General conditions of equilibrium of a body under coplanar forces. Centre of gravity, work, simple examples of friction, machines.

*Dynamics*.—Uniform and accelerated motion in a straight line, Laws of motion, Impulse, Kinetic and Potential energy; Conservation of energy and Momentum. Projectiles. Direct impact of elastic bodies. Normal acceleration and its applications. Simple Harmonic Motion. Simple Pendulum. Units and Dimensions.

### M. Sc. EXAMINATION.

#### CHEMISTRY.

(Previous) Examination—INORGANIC CHEMISTRY.

#### Theory.

Study of the following elements and their important compounds. The group, Ra, Sc, Y, Ce, Ga, In, Ti, Zr, Th, V, No, W, U, Pd, Ir.

Metallurgy of Cu, Ag, Au, Fe, Zn, Pb.

Manufacture of  $\text{H}_2\text{SO}_4$ , bleaching powder,  $\text{Na}_2\text{CO}_3$ ,  $\text{NaOH}$

Paints and pigments Porcelain, glass cement, fuel gases. Study of the Theory of valency, Allotropy, Colloids, elementary ideas on intermetallie compounds, isotropism.

#### Practical.

Qualitative analysis of mixtures containing not more than six radicals (including silicate and thiosulphate).

Iodometric estimation of Cu,  $\text{MnO}_2$ ,  $\text{H}_3\text{AsO}_3$ ,

Gravimetric determination of Mn,  $\text{PO}_4$ , Ni, Cr,  $\text{NO}_3$  (by Lunge's Nitrometer),

Qualitative and quantitative analysis of simple minerals such as dolomite, magnesite, calcspar and pyrites. Analysis of silver and nickel coins and brass (also electrometrically). Simple gas analysis.

Preparation of  $(\text{NH}_4)_2\text{S}_2\text{O}_8$ ,  $\text{CrO}_3$ ,  $\text{H}_3\text{PO}_4$ .

*Organic Chemistry.*  
*Theory.*

Advanced study of the following :—

Organo metallic compounds, amino-acids and ploy-peptides, aceto-acetic-ester and malonic ester; sugars straches and celluloses; poly methylenes and their derivatives. Azoxy, Azo and hydrazo compounds, Diazo compounds and hydrazines, Azo dyes, Quinones, mono cyclic terpene and camphora. Benzidines, Triphenyl methane and Roseaniline dye stuffs, Naphthalenes, Anthracenes, Pyrrole, Furane and Thiophene, Pyridine, Quinoline, and their important derivatives. Conline, Nicotine, Piperine, Tropin Amion proteins.

Stereoismerism of carbon and nitrogen; Tautomerism.

*Practical.*

Detection of elements, Carbon, Hydrogen, Nitrogen, Sulphur, Halogens and Phosphorous.

Detection of groups— $\text{CH}_2\text{OH}$ ,  $\text{CHOH}$ ,  $\text{COH}$ ,  $\text{CO}$ ,  $\text{C.HO}$ ,  $\text{COOH}$ ,  $\text{NH}_2$ ,  $\text{NH}$ ,  $\text{N}$ ,  $\text{OCH}_3$ ,  $\text{NO}_2$ , OH (phenolic).

Detection of unknown :—Simple and mixtures.

Quantitative estimation of :—OH. group.

Preparation of about 10 organic compounds.

Determination of molecular weight of an organic acid by means of its silver salts. Gas analysis of mixtures of Co,  $\text{CO}_2$ ,  $\text{CH}_4$ ,  $\text{C}_2\text{H}_4$ , etc. Quantitative estimation of Carbon, Hydrogen, Nitrogen, Sulphur and Halogens.

*Physical Chemistry.*

*Theoretical.*

Atomic structure, Valency; Relation between physical properties and chemical constitution; Gaseous, liquid and crystalline state; Thermo-chemistry; Free energy of chemical reactions; chemical equilibrium; velocity of chemical reactions; theories of chemical change; catalysis in homogeneous and heterogeneous systems; behaviour of weak and strong electrolytes; electrode potentials; electromotive force of galvanic cells; Hydrogen in concentration; photo-chemical reactions.

*Practical.*

The following measurements and determinations :—

1. Density of liquids.
2. Vapour density.
3. Molecular weight by the boiling point method.

4. Molecular weight by the freezing point method.
5. Solubility of liquids in liquids.
6. Solubility of solids in liquids.
7. Viscosity.
8. Surface tension.
9. Specific and molecular rotation.
10. Spectroscopic analysis.
11. Concentration by means of refractometer
12. Heat of neutralisation.
13. Distribution co-efficient of a solid in two liquid phases.
14. Velocity co-efficient and order of a chemical reaction.
15. Degree of dissociation from molecular conductivity.
16. Solubility of sparingly soluble salts by conductivity method.
17. Measurement of electromotive force.
18. Solubility by means of E.M.F. measurement.
19. Hydrogen in concentration.
20. Comparison of radio-active properties of different substances.

*(Final) Examination.*

IN-ORGANIC CHEMISTRY.

*Paper I.*

Per-acids and their salts, complexions, radioactive substances metal of the rare earths, history of Chemistry from the middle of the 19th century.

*Paper II.*

Intermetallic compounds, electric furnaces and electrolytic products, by-products of industries, permutites, hafnium, fixation of nitrogen and transmutation of elements.

ORGANIC CHEMISTRY (*Theory*).

*Paper I.*

Some theories of the natural synthesis of vital products.  
Alkaloids of the *Isoquinoline group*:—Papaverine, Narcotine, Hydrastine and Berberine.

*The Phenanthrene groups*—Morphine, Codein and Thebaine.

*The Purine group*:—Purine, Theobromine, Theophylline,

Caffeine.

The Strychnos alkaloids:—Strychnine, Brucine.

*Paper II.*

Terpenes and Camphors:—

(1) *Monocyclic terpenes and Camphors:—*

Limonene and Dipentene; Terpinolene, Terpinenes, Sylvestrene and Phellandrene. . Methol, Menthone and Terpin, Cineol and Terpineol, Pulegone and Carvone.

(2) *Dicyclic terpenes and camphors:—*

*The Camphene-Bornylene group—*

Camphor, Camphoric acid, Borneol and camphane, Borylene, camphene.

*Fenchene and its derivatives—*

Fenchene and Fenchyl alcohols, Fenchones.

*Pinens:—*

Pinene, Pinonic and Pinic acids.

*Olefinic terpenes:—*

Isoprene; Citronellal, The citral group:—

Methyl heptenone, Geranic acid, Rhodinal, Citral.

The Chemistry of Rubber.

PHYSICAL CHEMISTRY.

*Paper I.*

Photo-chemistry including photosynthesis.

*Paper II.*

Molecular structure, chemical equilibrium, chemical kinetics absorption.

PHYSICS.

In addition to what is included in the B.Sc. Course a detailed study of the following.

(A) *Previous Examination.*

*Paper I.—General Physics and Sound.*

Gravitation: Elasticity; Theory of Surface Tension Phenomena: Viscosity of Liquids, Gases and Vapours; Compressibi-



lity of liquids; Kinetic Theory of gases and its application; Vibration of Strings, membranes, plates and bars; Forced Vibrations; Combinational Tones; Resonance; Reflection and Refraction of Sound Waves; Supersonic Waves.

*Paper II.—Optics (Geometrical and Physical).*

Mirrors, System of lenses; Chromatic and Spherical aberrations; Interference; Diffraction; Dispersion; Double refraction of Crystals; Polarisation; Elements of Spectroscopy; Spectrographs; Line Spectra; Series Spectra; Band Spectra; Bohr's Theory of Spectra; elementary knowledge of Electro and Magneto-optics.

*Paper III.—Heat (including Thermodynamics).*

Thermometry; Measurement of High and Low Temperatures; Equations of State; Specific Heats at high and low Temperatures; Vapour pressure of Metals; Conductivity; Laws of Radiation; Radiation Pressure; Thermodynamical Formulae and applications; Entropy; Nernst Heat Theorem.

*Paper IV.—Practical work in Properties of Mater. Heat Sound.*

1. Young's Modulus by Koenig's Method. ..
2. Do of a Spiral Spring by Wilberforce Inertia Bar. ..
3. Do of a glass plate by interference Method. ..
4. Determination of Poisson's Ratio.
5. Modulus of Rigidity of a spiral Spring by Wilberforce Inertia Bar.
6. Torsional Hysteresis for a wire.
7. Temperature coefficient of Rigidity and Young's Modulus.
8. Surface Tension of liquids by Jäger's Method.
9. DO by Ferguson's Method.
10. Surface Tension Balance for liquids at different concentrations and temperatures.
11. Viscosity of liquids at different temperatures by flow through a capillary tube (with Kinetic energy correction).
12. Viscosity of liquids by rotating cylinder Method. (Willow's appr.).
13. Viscosity of liquids by Oscillating Disc (Meyer's Method).
14. Viscosity of Liquids by Stoke's Law.

15. Viscosity of a gas by Rankine's Method.
16. DO by Anderson's Method.
17. Variation of Viscosities of air with temperature and determination of Sutherland's constant.
18. Specific Heat of a substance by Joly's Steam Calorimeter.
19. DO of liquids by Callendar and Barne's flow Method.
20. Determination of Specific Heat by Bunsen's Ice Calorimeter.
21. Latent Heat of vaporisation by Berthelot's Apparatus.
22. Heat of solution of salts.
23. Use of Beckmann's thermometer in determining the rise of Boiling point and the depression of the freezing point of a solvent.
24. Vapour Density by Hofmann's Method.
25. Do by Dumas Bulb. (with correction.).
26. Vapour Tension of water at various Temperatures.
27. Thermal Conductivity of a metal bar (Angstrom's Method).
28. Do of a bad Conductor in the form of a powder.
29. Total Emissivity of the surface of a wire at various temperatures.
30. Use of Platinum Thermometer.
31. Use of a thermo-couple as a thermometer.
32. Velocity of sound in different gases and deducing the value of  $\gamma$ .
33. Finding the value of the coefficient of expansion of a gas by determining velocities of sound at two different temperatures (by Kundt's tube).
34. Frequency of a tuning fork by Stroboscopic Method.

*Paper V.—Practical work in Optics.*

1. Determination of the Focal Length and the positions of the Principal Planes of a thick lens and optical system by various Methods.
2. Investigation of the Spherical Aberration of a thick lens.
3. Determination of the Refractive Index of a liquid by total reflection using a prism.
4. Determination of the thickness of a thin glass plate by interference method.
5. Measurement of the Wavelength of light by Fresnel's Biprism, using;—

## (a) Optical Bench.

## (b) Spectrometer.

and determination of "u" of the material of the Biprism.

6. Determination of the Wavelength of light by Fresnel's Double Mirror.
7. Determination of the Wavelength of light by Billet's Split lens.
8. Measurement of Wavelength by Diffraction. (various methods).
9. Measurement of Wavelength by Diffraction Grating using oblique incidence.
10. Measurement of the Resolving Power of:—
  - (a) a prism spectroscope.
  - (b) a Diffraction Grating.
11. Calibration of a spectroscope.
  - (a) by using lines of known Wavelengths.
  - (b) by Interference fringes.
12. Polarisation by Reflection (verification of Brewster's law).
13. Measurement of Specific Rotatory Power of a substance.

*Additional Experiments.*

14. Determination of the Refractive Index for liquids and gases by means of Rayleigh's Interferometer.
15. Comparison of Refractive Indices of gases by Jamin's Interferometer.
16. Determination of Refractive Index of substances by Pulfrich Refractometer.
17. Determination of the difference of wavelengths for the Sodium D lines by means of Michelson's Interferometer.
18. Measurement of  $e/m$  for an Electron by observing Zeeman Effect for yellow Helium light, using:
 

(a) Lummer Gehrcke plate.	}	mounted on Constant Deviation Spectroscope.
(b) Fabry Perot Etalon.		
(c) Michelson Echelon Grating.		

## (B). Final Examination.

*Paper I.—Classical Electricity and Magnetism.*

Determination of Dielectric Constants for solids, liquids and gases; Electrical Images; Electric Fields; Pyro and Piezo electricity; Ferro, Para, Dia-Magnetisms; Various methods of determining Susceptibility and Permeability of solids, liquids and

gases, Theory of Magnetism; Theory of Electrical instruments; Theory and Measurement of Inductance and Capacity; Theory of Alternating Currents; Electromagnetic Waves, Their generation and application.

*Paper II.—Modern Electricity.*

Conduction of Electricity through gases; Ionisation currents; Ionisation by Collision; Mobility of Ions; Diffusion of Ions; Variation of the mass of electron with velocity; Determination of  $e/m$  and  $e$ ; Positive ray analysis and Mass Spectrograph; Thermionic Currents; Photo-Electricity; X-Rays; Radioactivity; Atomic Structure.

*Paper III.—Special subject as detailed above.*

Students are expected to possess a detailed knowledge of the subjects chosen by them.

*Paper IV.—Practical Work in Magnetism and Electricity.*

1. Plotting B—H Curve and measurement of Permeability
  - (a) Magnetometer Method.
  - (b) Ballistic Method.
2. Measurement of Susceptibility of para and dia-magnetic substances.
3. Adjustment and use of various types of Galvanometers.
4. Calibration of Meter Bridge wire by two Methods.
5. Variation of the resistance of a wire with temperature.
6. Measurement of low resistances.
  - (a) Direct Deflection Method.
  - (b) Mathiessen and Hockin's Method (Potentiometer Method).
  - (c) Kelvin's Double Bridge.
7. Measurement of high resistances.
  - (a) Direct Deflection Method.
  - (b) Leakage Method.
8. Calibration of Callendar and Griffith's Bridge and use of Platinum Resistance Thermometer.
9. Electrolytic resistances.
  - (a) Direct Current Method.
  - (b) Kohlrausch Bridge.

10. Determination of the thermo-electromotive force.
11. Measurement and comparison of Self Inductances  
(various methods.)
12. Do do Mutual Inductances  
(various methods.)
13. Do do Capacities (various methods.)
14. Use of Gauss's Flux-meter.
15. Adjustment and use of Quadrant Electrometer (Comparison of E. M. F. and other expts.)
16. Measurement of small capacity in E.M. and E.S. Units and deducing V.
17. Determination of the velocity of Electric Waves (Lecher's).
18. Determination of  $e/m$  (Thomson's Method).
19. A and B-rays Electroscopes.
20. Characteristic Curves of the three-electrode valve.
21. Determination of electronic charge by Millikan's Method.
22. Determination of Saturation Voltage across an ionised chamber.

#### ZOOLOGY.

##### *Practicals:—Non-Chordata.*

Amoeba; Actinosphaerium; Skeletons of Foraminifera and Radiolaria; Badhamia; Euglena; Ceratium; Dendrocometes Trypanosoma; Noctiluca; Paramoecium; Vorticella; Opalina; Monocystis; Malarial parasite; Sarcocystis; Leucosolenia; Sycon; Spongilla; a Hexactinellid; Geodia; Euspongia; Hydra; Tubularia; Syncerpne; Sertularia; Plumularia; Aglaophenia; Obelia; Millepora; Stylaster; Halistemma; Velella; Physalia; Porpita; Diphyes; Aurelia; Rhizostoma; Haliclystus; Sea-anemone; Alcyonium; Tubipora; Corallium; Gorgonia; Pennatula; Madrepora; Cestus; Beroë; Leptoplana; Temnocephala; Distomum; Polystomum; Taenia; Echinococcus; Ixus; Carinella; Ascaris; Oxyuris; a hookworm; Trichina; Filaria; Sagitta; Brachionus Phoronis; Sipunculus; Pedicellima; Bugula; Flustra; Plumatella; Magellania; Terebratula; Lingula; Pheretima; Nereis; Leech; Arenicola; Serpulid; Chaetopterus; Terebella; Sabella; Polynoe; Tubifex; Phyllodoce; Aphrodite; Spirorbis; Syllis; Myzostoma; Bonellia; Echiurus or Thalassema; Polypodium; Asterias; Echinus; Holothuria; Synapta; Antedon; typical representatives of all the orders of Crustacea; Tritobita; Peripatus Centipede Millipede; typical representatives of each order of Insecta and Arachnida and Phylum Mollusca.

## PRACTICALS: CHORDATA GROUP.

(a) *Acrania*:—

Hemichordata—Balanoglossus.

Urochordata—Oikopleura; Rhabdocynthia (Herdmannia) or Ciona; Botryllus; Salpa, and Doliolum.

Cephalochordata—Branchiostoma (Amphioxus).

(b) *Craniata*:—

Cyclostomata—Lampreys (Petromyzon) and Hagfishes (Myxine and Bdellostoma).

Pisces—Trygon, or any other fresh-water Elasmobranch; Charcharias or Scoliodon; Torpedo; Chimaera; Polypterus; Acipenser; Lepidosteus; Amia; Gadus; Pleuronectes; Sea-horse, a common bony-fish such as 'Murrel' (Ophiocephalidae) or 'Rohu' (Cyprinidae) and special features of Clarias, Saccobranchus, Anabas, and Amphipnous; Lungfishes (External characters).

Amphibia—The typical representatives of Urodela, Anura and Gymnophiona.

Reptilia—The typical representatives of Rhynchocephalia (External characters and skeleton only), Laveitilia, Ophidia, Chelonia and Crocodilia.

Aves—Ratitae; The typical representatives. Their external characters and skeletons only.

Carinatae: Pigeon. skeleton of fowl and comparative study of the four types of birds' skulls.

Mammalia—Typical representatives of each order.

Microscopic mounts and other preparation. Bona-fide practical sketch-books (for which 10 marks are reserved for each practical paper) must be produced at the time of the examination. Microtomy (simple section-cutting methods.).

## BOTANY.

*Thallophyta* :—

Bacteria; Gleocapsa; Oscillaria; Nostoe; Rivularia; Euglena; Diatoms; Chlamydomonas; Sphaerella; Pandorina; Eudorina; Volvox; Pleurococcus; Ulothrix; Oedogonium Coleochaete; Cladophora; Vaucheria; Desmids; Spirogyra; Zygnema; Chara; Ectocarpus; Dictyota; Laminaria; Fucus; Nemalion; Batrachospermum; Callithamnion; Polysiphonia; Synchytrium endobioticum; Pythium; Phytophthora infestans; Peronospora parasitica; Cystopus; Mucor; Rhizopus; Penicillium Eurotium; Sphaerotheca Mors Uvae; Saccharomyces cerevisiae; Peziza; Pyronema; Claviceps; Ustilago; Puccinia graminis; Agaricus; Polyporus; Lycoperdon.

*Bryophyta and Pteridophyta* :—

Riccia; Plagiochasma; Marchantia; Fimbriaria; Aneura; Porella; Anthoceros; Sphagnum; Andreaea; Funaria; Polytrichum; Equisetum; Lycopodium; Selaginella; Psilotum; Isoetes; Fossils; (Lepidodendron; Sigillaria; Calamites; Sphenophyllum). Ophioglossaceae; Marattiaceae; Osmundaceae; Schizaceae; Gleicheniaceae Cyatheaceae; (General characters only.); Aspidium; Pteris; Salvinia; Azolla; Marsilia; Fossils; Psaronius; Osmundites; Botryopteridaceae and Zygopteridaceae; *Gymnosperms* :—

Cycas; Ginkgo; Pinus; Taxus; Gnetum; Ephedra.

*Fossils* :—

Cycado-flicales (Lyginodendron); Bennettitales and Cordaitales (general account only).

*Histology—Practical* :—

Micro-chemical tests for starch, cellulose, lignin, suberin, cane-sugar, grape-sugar, and fats. Microscopical preparations. microtome technique.—simple section-cutting methods.

*Part II Practical Course A*

(a) General Morphology.

(b) The following families of Angiosperms with special reference to the Deccan flora.

Magnoliaceae; Ananaceae; Menispermaceae; Nymphaeaceae; Papaveraceae; Cruciferae; Capparidaceae; Polygalaceae; Caryophyllaceae; Portulacaceae; Guttiferae; Ternstroemiaceae; Malvaceae; Steculiaceae; Tiliaceae; Linaceae; Malpighiaceae;

Zygophyllaceae; Geraniaceae; Rutaceae; Burseraceae; Maliaceae; Celastraceae; Rhamnaceae; Ampelideae; Sapindaceae; Anacardiaceae; Moringeae; Leguminosae; Rosaceae; Combretaceae; Myrtaceae; Lythraceae; Passifloraceae; Cucurbitaceae; Cactaceae; Umbelliferae; Rubaceae; Boraginaceae; Convulvaceae; Solanaceae; Scrophulariaceae; Labiatae; Nyctagineae; Amarantaceae; Chenopodiaceae; Liliaceae; Palmae; Aroideae; Gramineae; Compositae; Myrsinaceae; Sapotaceae; Ebenaceae; Oleaceae; Apocynaceae; Asclepiadaceae; Loganiaceae; Bignoniaceae; Pedaliaceae; Acanthaceae; Verbenaceae; Urticaceae; Orchidaceae; Scitamineae; Amaryllidaceae.

(c) *Physiology*:—The following experiments to be performed:—

1. Water-Culture experiments.
2. Osmosis.
3. Osmotic Pressure.
4. Root Absorption.
5. Course of Absorbed Solutions.
6. Root-pressure.
7. Excretion of fluid water from leaves.
8. Transpiration.
9. To show dependence of withering upon loss of water.
10. To show the suction caused by Transpiration.
11. Estimation of the absorption of water by the roots, and the loss by evaporation from the leaves.
12. Photo-synthesis.
13. Properties and reactions of Chlorophyll.
14. Conditions necessary for the production of Chlorophyll.
15. To show that carbon dioxide is necessary for starch formation.
16. To demonstrate the effects of lights of different wave.
17. To show the exhalation of carbon dioxide by germinating seeds.
18. Intramolecular Respiration.
19. Plasmolysis.
20. Measurement of growth by auxanometers.
21. Distribution of growth in roots.



## FACULTY OF MEDICINE

### M.B.B.S. Examinations

#### ANATOMY.

##### A. Lectures and Demonstrations.

*Osteology*.—General description of bones and their structure. Demonstration and description of all the bones of the human body (with reference also to their centres of ossification).

*Myology*.—General description of fasciæ and different kinds of muscles—their structure—demonstration and description of all the fasciæ and muscles (treated regionally) as regards the origin, insertion, action, relation, innervation and blood supply of each muscle.

*Syndesmology*.—General description of joints—their classification and various movements permitted in different types of articulations. Description of each joint (in detail) as regards its formation, movements and blood supply (with demonstrations on a dissected part).

*Angiology*.—Outline of circulation of blood—description and structure of heart—Cardiac cycle foetal circulation.

*Blood vessels*.—General description and structure of different kinds of blood vessels.

*Arteries*.—Each artery described as to its course, relationship and branches.

*Veins*.—Each vein described as to its course, relationship and tributaries.

*Lymphatic system*.—Structure of lymph glands and lymphatic vessels—with their description according to different regions of the body.

*Neurology*.—General description of the nervous system (Cerebro-spinal and sympathetic)—Structure of nerves and ganglia—Description (in detail) and demonstration from specimens and section of different parts—Medulla Spinalis—Various parts of the Encephalon—The Meninges, the cranial and spinal nerves—Different portions and plexuses of the sympathetic system.

*Organs of taste, smell, sight, hearing, and peripheral termination of nerves of general sensation. Skin and its appendages.*

**SPLANCHNOLOGY.**—Demonstrations and full descriptions of Organs of Respiration and Digestion—Peritoneum, Uro-Genital apparatus (male and female), Ductless glands.

**EMBRYOLOGY.**—(Term cells, their origin and structure; maturation and fertilization; segmentation, germinal layers; early stages in the development of the embryo; Fœtal membranes and placenta; Development of organs.

*B. Dissection of the Whole Human Body by every student.*

### PHYSIOLOGY.

#### *Lectures.*

1. *Histology.*—The animal cell and its division. The varieties and structure of epithelia and connective tissues including cartilage, bone and teeth with their development.

The varieties and structure and functions of voluntary, and involuntary muscles and nerves with their development. Irritability and contractibility of the tissues. Changes during the contraction of muscle in form, extensibility and elasticity, temperature and electrical condition, also chemical changes.

2. *The Circulatory System.*—The structure of the heart, arteries, capillaries and veins and lymphatic vessels. Physiology of the heart, circulation of blood in the fœtus and the adult. Blood pressure, velocity of blood arterial and venous pulse, flow of blood in arteries, capillaries and veins, and lymph flow. Innervation of the heart and blood vessels.

3. *Blood.*—Composition, quantity, and coagulation of blood, chemistry of blood corpuscles. Compounds and derivatives of hæmoglobin. Enumeration of blood corpuscles. Estimation of hæmoglobin. Tests for blood.

4. *Lymph and Lymphatic glands.*—

5. *Ductless glands.*—Their structure and functions and internal secretion.

6. *Respiratory System.*—Organs and mechanism of respiration; gases of blood, cause and regulation of respiration. Special respiratory acts and artificial respiration. Effects of respiration on circulation. Relation of respiration to nutrition. Oxygen want. Respiration at high pressure. Abnormal respiration and asphyxia.

7. *Digestion*.—Structure of secreting glands connected with digestion including liver and pancreas. Composition and actions of their secretions on various food-stuffs. Mechanical processes of digestion and absorption of food.

8. *Urinary System*.—The structure and functions of the apparatus, composition of urine, formation of urea, uric acid, ammonia, creatine and creatinine and hippuric acid. Inorganic urinary constituents and deposits. Tests for abnormal constituents of urine.

9. *Skin and its Appendages*.—Structure, and functions of the skin and its appendages. Composition and secretion of sweat. Regulation of heat.

10. *Chemical composition of the body*.—Chemical physiology of the carbo-hydrates, protein and fats. Enzymes and their actions. Metabolism of carbohydrates, fats and proteins, and conservation of energy.

11. *Nerve, Nerve Centres, Nerve Cells*.—Their structure and functions. Degeneration and regeneration of nerves. Velocity, direction, and nature of the nerve impulse, chemistry of nervous tissue, changes in the electrical condition and excitability of nerves. Autonomic nervous system.

12. *Central Nervous System*.—Structure and functions of white and grey matters of the spinal cord. Results of section of spinal cord. Reciprocal action of antagonistic muscles. Principle of the common path structure of bulb, pons and midbrain. Origin and functions of cerebral nerves.

Structure of functions of cerebellum.

Structure of the cerebrum. Localization of cerebral functions. Motor and Sensory areas. Association fibres and centres.

13. *Structure and functions of* :—

- (a) the organs of taste and smell.
- (b) Anatomy of the ear and physiology of hearing.
- (c) Structure and function of the eye.

Accommodation and defects in the optical apparatus.

Visual sensations and theories of vision.

14. *Cutaneous sensations and their varieties*. Motorial and visceral sensation.

15. *Anatomy of the Larynx*. Production of voice and speech.

16. *Reproduction, development and growth of the body*.

## PHYSIOLOGY.

*Practical Course.*

## EXPERIMENTAL PHYSIOLOGY.

(a) *Circulation*.—Dissection of frog's heart, graphic record of its action. Dissection of the sino-atrial junction. Dissection of the vagus. Dissection of the cardio-sympathetic. Stimulation of the sinoatrial junction, of the vagus, of the cardio-sympathetic. Apex preparation of the heart. Action of muscarin and atropine—heat, cold, and electrical current on heart. Stannius experiment.

(b) *Muscle*.—Voluntary and involuntary stimulation of muscle—mechanical, chemical and electrical. Muscle-nerve preparation.

Result of single stimulus. Influence of stimulus strength on load on fatigue, temperature and drugs. Successive stimuli on muscle. Tetanic contraction. Elasticity and extensibility. Electrotonus. Rheoscopic frog. Marey's tambour. Myograph, cardiograph, Mammalian heart and its nutrition.

(c) *Blood*.—sphygmograph, sphygmometer. Respiration and artificial respiration. Pneumograph. Polarimeter. Stromuhr. Kymograph.

(d) *Nervous system*.—Extirpation of cerebellum in pigeon. Extirpation of cerebrum in pigeon.

Reflex actions, Nerve and its microscopical examination. Eye accommodation. Phakoscope. Retinal shadows.

Laryngoscope, ophthalmoscope. retinoscope, perimeter, cold heat, pressure and pain spots.

## CHEMICAL PHYSIOLOGY.

(a) Chemical compositions of and tests for proteins, carbohydrates and fats and principal food-stuffs. Emulsification of fats.

(b) *Digestion*:—Actions of saliva and gastric juice, and tests for hydrochloric and lactic acids.

Actions of pancreatic juice, bile, and succus entericus. Tests for glycogen.

Examination of urine—tests for albumen, sugar, bile, blood and deposits; quantitative estimation of albumen, sugar, urea, uric acid and chlorides of urine.

## HISTOLOGY.

Microscopical preparations (hardening, embedding, section-cutting, staining and mounting) of tissues; examination of histological slides of different tissues.

## MATERIA MEDICA.

In the course of systematic lectures, the natural history chemical and physical properties of all the official drugs and the most important non-official medicinal agents with full accounts of their pharmacological action and their Therapeutic uses on the gastro intestinal tract, respiration, circulation, secretion, excretion, sensory, motor and reflex mechanism, heat regulation and absorption will be dealt with and also the method of preparation, doses, composition, sources, with physical, chemical and physiological incompatibilities of the British Pharmacopœal drugs will be lectured upon.

*Definitions* of all the technical terms commonly employed in Pharmacology and Therapeutics.

Pharmacology { of various drugs in the British Pharma-  
and { copœia acting on different systems.

## Therapeutics

(a) Prescribing (b) Latin phrases used in prescriptions.  
(c) Action of drugs:—

(1) The primary action (2) The secondary action. (3) The direct or local action. (4) The indirect or remote action. (5) The relation between chemical constitution and physiological action. (6) The relation between physical condition and physiological action.

## INORGANIC MATERIA MEDICA.

<i>Group</i>	<i>I.</i> Oxygen and Peroxide of Hydrogen.
"	<i>II.</i> The alkaline metals:— Potassium, Sodium, Ammonium and Lithium.
"	<i>III.</i> The alkaline earths:— Calcium, Barium, Strontium and Magnesium.
"	<i>IV.</i> Lead, Silver, Zinc, Copper, Bismuth, Aluminium.
"	<i>V.</i> Mercury.
"	<i>VI.</i> Iron and Manganese.

- „ VII. (a) Arsenic.  
Organic Arsenic compounds.  
1. Aliphatic or fatty series, and  
2. Benzol ring compounds or aromatic (Benzol) Series.  
(b) Antimony Chromium, Uranium and Phosphorus.
- „ VIII. Drugs used to kill parasites.
- „ IX. Chlorine, Iodine, Bromine and (Iodoform Halogens).
- „ X. Hyponities.
- „ XI. Acids.
- „ XII. Carbon and its compounds.
- „ XIII. Gluside, Paraffin, Benzene, Carbon disulphide.
- „ XIV. Water.

## ORGANIC VEGETABLE MATERIA MEDICA.

- Group.* I. Drugs acting on the nervous system.
- „ II. „ „ Cardio-Vascular System.
- „ III. „ „ Respiratory Organs.
- „ IV. „ which are antiperiodic, antipyretic, and antiseptic.
- „ V. Purgatives.
- „ VI. Volatile Oils, and Solid Volatile Oils (Stearoptenes).
- „ VII. Vegetable Bitters.
- „ VIII. Vegetable Astringents.
- „ IX. Demulcents.
- „ X. Anthelmintics and Parasitocides.
- „ XI. Diuretics.
- „ XII. Drugs acting on the uterus.
- „ XIII. Drugs used for gout.
- „ XIV. Bodies related to volatile oils.
- „ XV. Drugs containing important acids.
- „ XVI. Colouring agents.
- „ XVII. Drugs whose action is mechanical.
- „ XVIII. Drugs whose action is not known.

## ORGANIC ANIMAL MATERIA MEDICA.

Substances derived from the Animal Kingdom including the following Sera and vaccines.

- I. Antidiphtheritic Serum.
- II. Antitetanic Serum.
- III. Antipneumococcal Serum.
- IV. Antiplague Serum and Vaccine.
- V. Antistreptococcal Serum and Vaccine.
- VI. Tubercular Serum and Vaccine.
- VII. Cholera Serum and Vaccine.
- VIII. Typhoid.
- IX. Hydrophobia Vaccine.
- X. Antigonococcal Serum.
- XI. Shiga's Antidysenteric Serum.
- XII. Pollantin.
- XIII. Coley's fluid of Sarcoma.
- XIV. Wright's Staphylococcal Vaccine.
- XV. Selazo's Serum for Anthrax.

## ORGANO-THERAPY.

The Thyroid gland.

The milk of Thyroidectomised goats.

The serum of „ „ sheep.

Thymus Extract.

Acid Extract of Duodenal Mucous Membrane.

The Kidney.

The Liver.

The Spleen.

The Sex Glands.

Bone Marrow.

## PHARMACY AND DISPENSING.

- I. General directions.
- II. Weighing and Measuring.
- III. Decoctions.
- IV. Infusions.
- V. Emulsions and Mixtures.
- VI. „ of special drugs.
- VII. Pills.
- VIII. „ of special drugs.
- IX. Excipients.
- X. Powders.
- XI. Blisters and Plasters.
- XII. Suppositories, Pessaries and Bougies.
- XIII. Tinctures.
- XIV. Lozenges.
- XV. Ointments.

## PATHOLOGY.

1. *General Pathology*—

The Cell in health and disease. General retrogressive processes. Inflammation and Repair. Diseases of Metabolism, *e. g.*, Gout, Diabetes, Intoxications and Autointoxications. Disturbances of circulation:—Dropsy, Thrombosis, Embolism and Infarctions, Tumours, Infective Granulomata. Animal parasites, Infections and Immunity. Internal secretions. Fever and infective diseases.

2. *Systematic Pathology*—

*Diseases of:*—The circulatory system. 2. The blood and blood-forming organs. 3. The lymphatic system. 4. The spleen. 5. The respiratory system. 6. The digestive system. 7. The ductless glands. 8. The genito-urinary system. 9. The generative system. 10. The nervous system. 11. Cartilage, bone and joints. 12. The voluntary muscles. 13. The tendon sheaths and bursæ. 14. Diseases of the skin.

3. *Tropical Pathology*—

Malaria. Relapsing fever. Kala azar and Leishmaniasis. Tropical splenomegaly. Trypanosomiasis. Dengue fever. Malta fever. Yellow fever. Plague. Filariasis. Leprosy. Yaws Beri,



Beri Sprue. Cholera. Dysenteries. Amæbic abscess and Mycetoma. Schistosomiasis. Bilharzia Hæmatobium, Schistosomium japonicum.

*Tape-Worms*.—*Tænia solium*, *Tænia mediocanellata*, *Tænia cehino-coccus*, *Bothriocephalus latus*.

*Thread-Worms*.—*Ascaris lumbricoides*, *Oxyuris vermicularis*, *Trichocephalus dispar*, *Ankylostoma duodenale*, *Trichina spiralis*, *Filaria sanguinis hominis*, *Dracunculus medinensis*.

*Fluke-Worms*.

## BACTERIOLOGY.

### 1. *Introduction: General Bacteriological Methods*:—

Apparatus. Microscope. Micrometer. Dark-ground illumination. Sterilisation and disinfection. Cultivation of bacteria. Anaerobic cultivation; various methods.

### 2. *General Characters of Micro-organisms*.

Classification and Morphology.

Biology of Bacteria. Multiplication: Sporulation. Motility. Aerobiosis. Anaerobiosis. Saprophytes and Parasites. Fermentation. Putrefaction. Bacterial products and Pathogenesis.

### 3. *Study of Specific Infective Bacteria*.

Pyogenic bacteria. Staphylococci. Streptococci. Pneumococcus. Meningococcus. Gonococcus. Allied pyogenic organisms. Bacilli of Colon-Typhoid and Dysentery Group. Agglutination reactions. Cholera and allied vibrio. Anthrax and *B. Subtilis*. Diphtheria. Preparation of anti-toxin. Diphtheroid organisms. Bacilli of Hæmorrhagic-septicæmia. *B. pestis*. Rats and rat fleas. Anti-plague vaccine.

Influenza. Whooping Cough. Malta fever.

Anaerobic bacteria. Tetanus. Antitetanic serum. Allied organisms.

Acid-fast bacilli. Streptothrices. *B. Tuberculosis*.

*B. lepra* and *B. Mallei* Actinomyces.

Blastomycetes and Hypomycetes. Spirillar disease.

*Protozoa*—*Amœba coli*, *Eutamoeba histolytica*. Trypanosoma. Malarial parasites, *Trypanosoma pallidum* and Leishman's bodies,

(Filterable viruses. Measles. Searlatina. Hydro-phobia- Rabies and Anti-rabic inoculation. Small-pox and vaccinia.)

#### 4. *Immunity.*—

Infective process, Natural immunity, Artificial immunity, Vaccines. Theories of immunity. Anti-toxins. Antisera and Wasseremann reaction and its modification. Bactriolysins, Agglutinins, Precipitins and Hæmolysins.

#### 5. *Micro-organisms in Air, Dust, Soil, Sewage-water and Food.*

#### 6. *Disinfectants.*

#### 7. *Practical Course.*

Technique of collection and examination of morbid materials such as—blood, gastric and intestinal contents, urine, pus, sputum and exudates. Examination of Tumours.

### HYGIENE.

1. *Water.*—Sources—Collections, Distribution and storage, —Chemical composition—Properties and impurities and their effects on health—Purification without filtration and with filtration—Filter beds and domestic filters—Collection of samples for analysis—Chemical, Microscopical and bacteriological examination. Physical.

2. *Air.*—Composition and physical properties of air—Impurities, their sources, and effects on the general health—Examination—Kata thermometer.

3. *Ventilation.*—Amount of air required—Theory and Practice of Ventilation—Purification of air—Examination of Ventilation—Heating and cooling of dwellings.

4. *Occupational Disease and Offensive Trades.*—Lead, Mercury, Phosphorous, Arsenic etc.—Offensive trades and their effects on health—Nature and regulation of such trades—Slaughter-houses.

5. *Soils.*—Soil water—Origin and varieties of soil—Features influencing climate and health—Diseases arising from soil.

6. *Sites and Buildings:*—Selection of sites for building—lodging house—huts. Principles and rules regulating the sanitary construction—cowsheds and stables.

7. *Food.*—Classification—Nature—and uses of food-stuffs—Quantity required—Relative Value—Cooking—Diseases connected with food—Vitamines—Preservation of food—deficiency diseases.

8. *Vegetable Food-stuffs*.—Cereals—pulses—roots and tubers green vegetables—fruits and nuts—sugar—honey and C.

9. *Animal food*.—Inspection of animals—Characteristic features of good and bad meat—Diseases produced by unwholesome meat.

10. *Milk*.—Comparison—Preservation—Diseases produced by—Preventive measures.—Adulteration—Improvement of Milk Supply—Ghee.

11. *Beverages and Condiments*.—Non-fermented and fermented drinks—Condiments.

12. *Diet in India*.—Standard vegetarian diet—Food and physical development—Physiological effects—Daily diet.

13. *Refuse*.—Collection, Removal and Disposal.

14. *Sewage*.—Collection, Removal and Disposal—Advantages and disadvantages of different systems—Analysis.

15. *Disposal of the dead*.—Cremation—Burning—Earth burial—Different methods adopted.

16. *Personal Hygiene*.—Habit—Cleanliness—Clothing—Eating—Drinking—Smoking—Sleeping—Principles as regards exercise and rest—Calculation of work done—exercise.

17. *Climate and Meteorology*.—Varieties, causes and effects of climate—Acclimatization—Temperature—Atmospheric pressure—movements of wind, etc.—Thermometer—Barometer—Hygrometer—Rainfall.

18. *Infection and Carriers of Infection*.—Infection—Incubation—Bacteria—Modes of Infection—Insects—Mosquitoes—Sand Fly, etc.

19. *Animal Parasites*.—Cestoda—Nematoda—Hookworm—Filaria, etc. Guinea-worm.

20. *Restraint of Infection*.—Notification—Isolation—Quarantine—Disinfection—Immunity—Vaccination—and methods.

21. *Preventable Infectious Diseases*.—Malaria—Kala Azar—Enteric Fever—Plague—Cholera—Diphtheria—Tuberculosis—Small-pox, etc.

22. *Medical Inspection of Schools*.—Scope and Nature of medical inspection—Duties of Medical Inspectors—Methods of inspection.

23. *Maternity and child welfare.* Protection of Motherhood.—Ante and Post natal period—Child welfare centre—Health Visitors—Midwifery service.

24. *Vital Statistics.*—Importance—Estimation of population—Birth and Death rates—Registration of vital events—Infant mortality, their causes and prevention—Death certificates—Occupation and mortality—Special death rate—Marriages.

25. *Sanitation of fairs and Religious festivals.*—Accommodations—Medical and Sanitary arrangements—Water-supply—Conservancy—Food supply.

26. *Village Sanitation—Education—Water-supply—Conservancy—Water-borne diseases.*

27. *Practical Demonstrations.*—Hygiene Models and charts—Water Analysis—Examination of milk and its adulterants—Microscopic examination of different starches, cotton, wool, silk fibres—Slaughter-houses—Filter Beds—Observatory—Vaccination—Isolation Hospital.

## FORENSIC MEDICINE.

### *Part I.*

#### 1. *Introduction.*

2. *Identification of the living* including anthropometry, fingers prints, personal markings and estimation of age.

3. *Identification and Examination of the Dead* with estimation of age and determination of sex.

4. *Autopsy for medico-legal purposes and exhumation.*

5. *Medico-legal relations of death—modes of dying—syncope, asphyxia and coma, sudden death; classification of the causes of death for legal purposes.*

6. *Signs of Death*—Molecular and Somatic death, inconclusive and certain signs of death.

7. *Different forms of decomposition* in the dead.

8. *Conditions resembling death*—Syncope, trance, partial asphyxia, premature burial and cremation.

9. *Death by drowning.*—Suffocation, Hanging, and Strangulation.

10. *Death by burning*—Sunstroke and Electricity.
11. *Death from cold and from starvation.*
12. *Wounds and Mechanical Injuries* including examination of blood and other stains.
13. *Wounds of special regions* of the body with their causes and effects.
14. *Sexual offences* including abnormalities of the generative organs, impotence and sterility. *Rape and unnatural offences.*
15. *Pregnancy and legitimacy* including conception, signs of pregnancy, duration of gestation and superfœtation.
16. *Criminal Abortion.*
17. *Birth and Infanticide* including live and dead birth, infanticide and post-mortem examination of a newly born infant.
18. *Different forms of Insanity* and other abnormal states of the mind, examination of lunatics, medical certificates for lunacy and methods of placing lunatics under restraint, Hypnotism, Somnambulism and feigned insanity.
19. *Medical Examination* for attendance at court, damages, feigned diseases, etc.
20. Legal and moral obligations of the medical man including registration of birth, certificate of death, dying declaration, notification of diseases, malapraxis, professional secrecy, etc.
21. Evidence of the medical man and procedure in the courts.

## *Part II.*

### (TOXICOLOGY)

1. General facts regarding poisons with diagnosis of poisoning. Principles of treatment, separation of poisons and their classification.
2. *Corrosive Poisons.*
3. *Irritant Poisons* (Metals and non-metals).
4. *Gaseous Poisons.*
5. *Poisonous Carbon Compounds.*
6. *Poisons of Vegetable origin.*
7. *Poisons of animal origin and Mechanical poisons.*

# MEDICINE.

*Introduction.*—Definition of Disease—Infection, etc.

*Pyrexia.* *Infectious diseases: Specific Fevers.*

*Diseases of the organs of Respiration, Nasopharynx—Larynx—Tracheæ—Bronchi—Lungs and Pleura.*

*Diseases of the circulatory System.* Abnormalities of Heart beat—Diseases of the Endocardium—Myocardium and Pericardium—Diseases of the Blood vessels.

*Diseases of Alimentary System—Mouth—Tonsils—Pharynx and Salivary Glands—Oesophagus, Stomach and Intestines, Liver—Pancreas and Peritoneum.*

*Diseases of the Blood—Spleen and Lymphatic System.*

*Diseases of the Endocrine Glands—Thyroid and Parathyroids, Thymus—Suprarenals—Pituitary—Pineal and Pancreas.*

*Diseases of the Urinary System—The Urine, Kidneys—their inflammations, degenerations, and Tumours.*

*Diseases of the Nervous System—Cranio—Spinal Nerves—Spinal Cord—Medulla Oblongata—Brain—Sympathetic System—Psychopathies.*

*Diseases of the Muscles.*

*Diseases of Bones and Joints.*

*Chronic Intoxications—Alcohol—Lead—Arsenic—Mercury.*

*Disorders of Nutrition and metabolism—Gout—Rickets—Scurvy—Beriberi, etc.*

*Skin Diseases.*

# SURGERY.

## Part I.

Wounds—General Consideration—Classification of wounds—The treatment of wounds—General considerations regarding aseptic technic—Technic of cleansing the surfaces of the body. Sterilization of mucous membranes—Sterilization of dressing wipes, gowns, etc.—The Sterilization of suture and ligature material—Water and cleansing solutions—The Operating room—The Aseptic Operation—General and local Anesthesia, Plastic Surgery.

*Part II.*

*Infections of wounds and surgical Infectious diseases.*—General considerations regarding wound infections—The local disturbances in wound infection—Hypersusceptibility and Anaphylaxis—Fever—Pyogenic Micro-organisms—Examination of blood and wound secretions, etc., in connection with surgical infections—Entrance ports of Pyogenic infections—Pyogenic infections and their treatment—Pyogenic infections of the various tissues—General Pyogenic infections with Metastases (Metastatic infection)—The Putrefactive infections—Poisoned wounds—Rabies—Lyssa, Hydrophobia—Tetanus—Diphtheria—Anthrax—Glanders—Mallens—Actinomyces—Madura Foot—Blastomycosis Sporothrichosis—Tuberculosis—Leprosy—Syphilis—Scleroma—Botryomycosis.

*Part III.*

*Necrosis.*—Necrosis—General Considerations—Necrosis due to trauma—Necrosis due to pressure, constriction, strangulation and torsion—Necrosis from thermal and chemical causes—Necrosis from embolism and thrombosis—Necrosis due to chronic diseases of blood vessels—Necrosis of neuropathic origin.

*Part IV.*

Injuries of the soft parts, of bones and joints and their treatment.

Injuries—Mechanical injuries of the different tissues. Dislocations—Injuries to the Osseous system—Special fractures—Dislocation of the Vertebrae—Operations on bones and joints—Amputations—Gunshot wounds—Chemical injuries, Thermal injuries—General effects of injury—Delirium Tremens—Fat Embolism—Traumatic Diabetes.

*Part V.*

*Surgical diseases other than infections and tumors.* Surgical diseases of the skin—Diseases of muscles and tendons—Diseases of tendon sheaths and bursæ—Diseases of the blood and lymph vessels—The ligature of Arteries in their continuity—Diseases of peripheral nerves—Diseases of joints—Diseases of bones.

*Part VI.*

*Tumors.*—Definition and classification—Etiology of tumors—Form, growth and clinical significance of tumors—The diagnosis of tumors in general—The treatment of tumors in general—The special tumors—Lipomata—Chondromata—Angiomata—

Sarcomata.—Tumors composed of muscle—Rhabdomyomata—Tumors composed of nerve elements—Gliomata—Tumors developing from epithelium—Carcinomata—Malignant—Chorionic Epithelioma—Endothelial tumors—Mixed tumors—Teratoid tumors—Teratomata.

### *Part VII.*

*Cysts.* (*excluding cystic tumors*).—Cystic other than cystic tumors.

### *Part VIII.*

*Surgery of Deformities.*—Congenital deformities—Malformations, developmental deformities and softening of the bones—Congenital luxations and contractures—Torticollis—Kyphotic anomalies of posture—Deformations of the upper extremity—Deformities of the lower extremities.

### *Part IX.*

*Regional Surgery of the spine.*—General surgical conditions—Spina Bifida—Spondylitis—Injuries of the Spinal Cord—Spinal tumors—Surgery of the spinal roots—Laminectomy—Chordotomy.

### *Part X.*

*Surgery of the head.*—The scalp—Surgery of the brain, its membranes and vessels—Contusions and wounds of the brain—Traumatic meningitis—Hernia of the brain—Abscess of the brain—Thrombosis of the intracranial sinuses—Epilepsy and its surgical treatment—Mental diseases following cranial injuries and the surgical treatment of mental diseases. The surgical treatment of brain tumors—The surgery of the Hypophysis Cerebri—the technic of trephining—Brain puncture, Resection of the skull, Craniectomy, Cranioplasty and Duraplasty—Cranio-cerebral Topography—Surgery of the ear.

### *Part XI.*

*Surgery of the face.*—Congenital Malformations—Injuries of the face—Plastic surgery of the face, Neuralgias of the head—Surgery of the salivary glands—Diseases of the teeth and of the gums—Tumors of the jaws—Surgery of the Nose and its Accessory sinuses—Surgery of the mouth—Surgery of the Pharynx.



*Part XII.*

*Surgery of the neck.*—Malformations of the neck—Injuries of the neck—Diseases of the neck—Tumors of the neck—Surgery of the larynx and trachea—Wounds of the larynx and trachea—Foreign bodies in the air passages.—Inflammatory diseases, stenoses, and neuroses of the larynx and Trachea—Tumors of the larynx, trachea, and primary bronchi—Operations on the air passages—Surgery of the Thyroid gland.

*Part XIII.*

*Surgery of the Thymus gland.*—Diseases of the Thymus Gland.

*Part XIV.*

*Surgery of the Esophagus.*—Examination of the Esophagus.

*Part XV.*

*Surgery of the Thorax*—Injuries and diseases of the thoracic wall—Pneumothorax—Penetrating wounds of the thorax—Surgery of the lung—Operations on the thorax—The Diaphragm.—Surgery of the Pericardium and heart—surgery of the breast.

*Part XVI.*

*Surgery of the Abdomen.*—Surgery of the abdominal wall—Surgery of the Pericardium and heart—surgery of the breast. intestines—Injuries of the stomach and gut, foreign bodies—Gastric and Intestinal Fistula—Methods of examining the stomach and gut—Pyloric stenosis, Hourglass stomach, Congenital anomalies of the stomach—Ulcer of the stomach and Duodenum—Tumors of the stomach—Surgery of the intestines—Ileus—Appendicitis—Perityphilitis (Germia)—Surgery of the liver—Surgery of the spleen—Surgery of the Pancreas.

*Part XVII.*

*Surgery of the Rectum and the Anus.*—Anatomical considerations—Malformations of the Anus. Foreign bodies in the rectum Fissura—ani—Spasm of the Anus—Periproctitis, Fistula in ano.—Narrowing of the Rectum. Strictures of the anus—Hæmorrhoids—Prolapse of the rectum—Tumors of the anus and rectum.

*Part XVIII.*

*Surgery of the female organs of generation.*—Congenital and acquired malformations.

*Part XIX.**Surgery of the Genito-Urinary System.*

Surgery of the kidneys, ureters and suprarenal glands. Surgery of the bladder—surgery of the Prostate (Glandula Prostatida)—Surgery of the penis and urethra—Surgery of the testicle and spermatic cord.

**MIDWIFERY.**

The Pelvis—Importance of study—Functions—Inclination—No. of bones—Difference between male and female—False and true—Planes—Axes—Measurements—Articulation—Pelvis in infancy—Development.

2. Development of genital Organs—Structure of ovary—Structure of Graaf follicle—Corpus Luteum—Menstruation—Ovulation—Fertilisation.

3. Early development of the ovum—Changes in the Uterus—Formation of decidua.

4. Further changes in the ovum—The Liq Amni—its functions—the allantois.

5. Formation of the Chorion and the Placenta—Full grown placenta and its functions—Demonstration—Umbilical cord.

6. Development of the Fœtus—Circulation of the fœtus—Fœtal head—Diameters. Show early specimens of fœtus.

7. Attitude—lie—presentation position—causes of head presentation—change in maternal organism.

8. Size of uterus at periods of pregnancy—changes in the Cervix—changes in the breast—changes in the nervous system.

9. Diagnosis of pregnancy—Symptoms—signs—differential diagnosis—duration of pregnancy—calculation of dates.

10. Hygiene of Pregnancy—Antenatal care—management of Pregnancy.

11. Labour—causes which determine it—Contractions—Retraction—polarity of uterus—causes of pain—premonitory symptoms—stages of labour.

12. Mechanism of labour—magnitude of force—vertex presentation—positions—movements—lateral obliquity—Synclitism moulding.

13. Diagnosis of positions—Abdominal palpation—vaginal examination—third stage of labour—duration of labour.

14. Management of normal labour—maternal and foetal mortality—Anæsthetic—Twilight sleep.

15. Face presentation—frequency—causes-varieties—diagnosis—brow presentation—causes—treatment of face and brow.

16. Pelvic presentation—causes—positions—mechanism, diagnosis—prognosis—management.

17. Multiple pregnancy—Binovular and Uniovular twins—Triplets—acardiac monsters—double monsters—diagnosis—management.

18. The puerperal state—involution of uterus—lochia—afterpains—colostrum—diagnosis of puerperal state—Diagnosis of Parity.

19. The new born infant—changes in circulation after birth—management of puerperal state.

20. Ectopic gestation—varieties-causation—Tubal Fœtation—Tubal abortion—Tubal rupture—intra-ligamentous fœtation—Secondary abdominal—pregnancy in rudimentary horn.

21. Ectopic gestation—formation of decidua in uterus—expulsion of Cast—symptoms—diagnosis—prognosis—treatment.

22. Disorders of pregnancy—classification—toxæmas—Hypremesis gravidarum—pernicious vomiting—acute yellow atrophy of liver.

23. Nephritic toxæmia—pre-Eclamptic toxæmia—diagnosis—symptoms—treatment.

24. Eclampsia—frequency—mortality—urine-clinical history.

25. Pathological changes—causation—prognosis—treatment—presumably toxæmia.

26. Displacements—congenital malformation of uterus and vagina—antiversion and flexion—retroversion and flexion—Incarceration with retention of urine—prolapse of uterus and vagina.

27. Diseases of decidua and ovum—endometritis—hydrops—haemorrhæa. gravidarum—anomalies of placenta—carneous mole—blighted ovum—symptoms, diagnosis—treatment.

28. Diseases of decidua and ovum—vesicular mole—symptoms—diagnosis—treatment—hydropasmnii—anomalies of funis and fœtus—retention of dead fœtus.

29. Accidental complication of pregnancy—heart and lung diseases—pyelonephritis—jaundice— hæmorrhages—tumours—Malaria.

30. Premature expulsion of the ovum—classification—abortion—mechanism—causes—symptoms—incomplete abortion—diagnosis—prophylaxis—treatment.

31. Antipartem hæmorrhage—varieties—placenta previa—varieties—causes—symptoms—diagnosis—treatment.

32. Accidental hæmorrhage—causes concealed—variety—symptoms—diagnosis—prognosis—treatment.

33. Precipitate labour—prolonged labour—causes—primary uterine inertia—secondary uterine—tonic contraction of the uterus—treatment.

34. Dystocia from anomalies of soft parts—trismus uterii—organic rigidity—diagnosis—treatment—satresia cervix—organic rigidity—diagnosis—treatment—atresia cervix—cancers cervix—displacement of tumours—complicating labour—distended bladder—Hæmatoma.

35. Transverse presentation—varieties—causes—diagnosis—natural terminations—neglected cases—treatment.

36. Complex presentation—dorsal displacement of arm—locked twins—fœtal monstrosities—conjoined twins—varieties—anencephalic—hydrocephalic fœtus.

37. Contracted pelvis—forces of growth and development—pelvis at birth—common forms of pelvic contraction—diagnosis—pelymetry—P. V. examination—results of contracted pelvis.

38. Contracted pelvis—classification—small round pelvis—mechanism—flat pelvis—mechanism—Rare forms of flat pelvis.

39. Effects of pelvis contraction on labour—treatment of contracted pelvis.

40. Rare forms of pelvis deformity—Triradiate pelvis—Osteomalacia pseudo malacosteon—oblique pelvis—varieties—diagnosis—treatment.

41. Transversely contracted pelvis—Roberts—Kyphotic—Mechanism of labour—High and low assimilation pelvis—Spondyloisthetic pelvis—Exostosis—treatment.

42. Induction of premature labour and abortion—indications—methods—care of child—Incubator—artificial abortion—precaution—methods—choice of time.

43. Extraction of fœtus in pelvic presentations—Impacted breech—causes of impaction—indications for interference—delivery of trunk—liberation of arms—Traction on head—Prague method—jaw traction—injuries to fœtus.

44. Instrumental labour—struments—demonstration—forceps—varieties—application—indications—Anæsthesia.

45. Version—cephalic—podalic—bipolar—indications—Craniotomy—indications—method—struments—Cranioclasm—version after craniotomy—perforation of after coming head—Embryotomy.

46. Cæsarian section—varieties—indications—choice of time—preparation—Technique—Vaginal cæsarian section—Symphysiotomy—indications—dangers—preparations—external—sub-uncous—Hingston's method—Pubiotomy.

47. Accidents during labour—rupture of uterus—causes—Traumatic rupture—symptoms—diagnosis—prophylaxis—treatment—Incomplete rupture—symptoms—perforation of uterus.

48. Laceration of cervix—Laceration of vagina and perineum prevention—suture laceration vulva—rupture symphysis pubis—prolapse of funis—diagnosis—prognosis—treatment—inversion of uterus—causes—symptoms—treatment.

49. Retention of placenta—causes—adhesion of placenta—diagnosis—prevention—treatment.

50. Post partem hæmorrhage—source—causes—symptoms—prophylaxis—treatment—secondary post partem hæmorrhage.

51. Puerperal fever—Bacteria—Exciting and predisposing causes—varieties—Toxæmia—Septicæmia—Pyæmia—lesions—prevention—symptoms—treatment.

52. Embolism and Thrombosis—Sudden death after delivery—Chorion Epithelioma.

53. Puerperal Insanity.

54. Injuries and diseases of the fœtus—Asphyxia Neonatorum—Ophthalmia Neonatorum—disorders of lactation—Deficient secretion—Galeorrhœa—Sore nipple—Abscess breast.

#### GYNÆCOLOGY.

1. Anatomy of the female generative organs.

2. Menstruation—ease taking—examination—Major and Minor Gynæcology—Hysteria—Neuresthenia.

3. Cardinal symptoms—Hæmorrhage—pain—discharge—painful menstruation—Dyspareunia—Sterility.

4. Dysmenorrhœa—Vicarious menstruation—Amenorrhœa—primary—secondary—partial—complete.

5. Displacements—normal position mobility—structure of pelvic floor—Backward displacement.

6. Prolapse —types—cystocele —Rectocele —degrees--causes—symptoms—diagnosis—treatment.

7. Inversion—acute—chronic— Endometritis—varieties—cervical endometrits.

8. Subinvolution—laceration cervix—Exfoliative and senile endometritis—chronic mastitis.

9. Fibro-Myomata—clinical features—diagnosis—secondary changes.

10. Fibro-Myomata—axial rotation—malignant changes--displacement of viscera—pregnancy complicating--treatment--adenomata.

11. Malignant tumours of the uterus—cancer cervix—sites—spread—types diagnosis—treatment.

12. Cancer of body of uterus—Sarcoma—Chorionic Epithelioma—clinical feature—diagnosis.

13. Diseases of ovaries—Neuralgia—hernia—displacement—hæmatoma—tumours—classification—cysts—cyst adenomata—structure.

14. Papilliferus cysts—ovarian cancer—primary—secondary—fibrous tumours—Sarcoma—Endothelioma.

15. Teratomata—Cysts—Solids genesis.

16. Dermoids—contents—clinical features—Parovarian cysts—Cysts of Gærtners duct.

17. Axial rotation—infection—rupture—adhesions—clinical features of ovarian cysts—diagnosis—treatment.

18. Congenital abnormalities of Fallopian tubes—tumors--pelvic inflammation—terms—causes—changes in the tube--spread of inflammation.

19. Parametritis—Perimetritis —symptoms —diagnosis—Chronic cases—results of inflammation—examination—Differential diagnosis—treatment.

20. Gonorrhœa—mode of infection—spread—symptoms—diagnosis—Tubercle of Fallopain tubes, of cervix—Actinomy-cosis.

21. Diseases of the vagina and vulva.

22. Tumours—cysts—disease Bartholian gland—Carbuncle urethra.

23. Malformation of uterus—Hermophroditism—vesico-vaginal fistula.

24. Operations —major—minor —preparation —position—technique.

## DISEASES OF INFANCY.

1. Care of the new born infant—Training—Care of premature and delicate infants.

2. Growth and development—Dentition—Peculiarities of Symptomatology and diagnosis.

3. Examination of children—Lavage—Clavage—Irrigation of bowel—Dosage.

4. Diseases of the newly born—Asphyxia—Jaundice—Atalectasis.

5. Acute infective diseases—Omphalitis—Ophthalmia neonatorum—Tetanus—Winkel's Disease—Buhl's Disease.

6. Skin Diseases—Hæmorrhages—Birth paralysis—Tumours of the Umbilicus.

7. Infant feeding—Breast feeding—Diet of nursing mother—bottle feeding—Composition of human milk—Composition of cow's milk—Pasteurising milk.

8. Preservation of milk—Proprietary Foods—Goat's milk.

9. Artificial food—Modification of milk—Care of feeding bottle—Character of normal stools.

10. Nutritional disturbances—daily weights—chart—Disturbances of balance—Failure to gain—Food tolerance—Diagnosis—Treatment.

11. State of dyspepsia—Symptoms—Treatment—Decomposition—Chronic Malnutrition—Treatment—Intoxication cholera infantum.

12. Coeliac disease Constipation Diarrhoea—Simple—Febrile Ileocolitis—Diagnosis—Treatment.

13. Deficiency Diseases—Vitamins—Infantile scurvy—Symptoms—Treatment—Morbid anatomy.

14. Rickets—Pathogenesis—Dietetic theory—Environmental Infective theory—Calcium metabolism.

15. Rickets—Symptoms—State rickets—Prognosis—Prophylaxis—Treatment.

16. Convulsions—Causes—Symptoms—Treatment—Malaria in infants.

17. Spasmodic croup—True croup—Laryngismus stridulus. Diseases of the respiratory system.

18. Tetany—Encephalitis lethargica—acute anterior poliomyelitis.

19. Hypertrophic—stenosis of the Pylorus in infants.

20. Hydrocephalus—Meningitis.

## OPHTHALMOLOGY.

## History of Ophthalmology.

Eye-ball: its surrounding structures and accessories.

Eye-ball: its tunics and contents, structures of Cornea, Sciera, Choroid Ciliary body, Iris and Retina.

Refracting media of the eye-ball—Aqueous Humour—Lens and Vitreous.

Eye-lid, lachrymal apparatus 2, 3, 4 and 6th cranial nerves.

Dioptrical consideration in healthy eye “Refraction in a biconvex lens—Refractive Index.

Image formation: optical defects of normal eye.

Quality of visual sensation, colour vision, colour fusion, binocular size.

Perception and judgment of solidity, judgment of distance and size.

Visual acuity: distant vision, near vision. Snellen's test type letters and gaeger's. Field of vision, Perimetry, Pathological alteration in field of vision.

Ophthalmoscope. Direct and indirect method of examination.

Retinoscope—Method of examination.

Diseases of eyelid: Blephritis Hordeolum Chalazion, Trichiasis, Entropion.

Ectropion Ptosis, injuries and tumours, etc.

Diseases of Lachrymal apparatus: Epiphora, acute and chronic, Dacryocystitis and adenitis, Excision of lachrymal sac.

Diseases of structures surrounding the eye-ball: orbital periostitis, Cellulitis Tenonitis. Exophthalmos. Enophthalmos Pulsating Exophthalmos.

Anucleation of eye-ball, eviceration, artificial eyes.

Diseases of conjunctiva, Catarrhal, Purulent.

Membranous, Granular, Phlyctenular.

Conjunctivitis Symblepharon Ptyregium.

Diseases of Cornea, Common and uncommon forms of Keratitis, Ulcers, Keratoconus Opacities, etc.



Diseases of Iris, Sclera, Ciliary body, Choroid:—

Iritis, Prolapse, Iridectomy. Staphyloma, Simple, Purulent, and Plastic Cyclitis choroiditis, Glaucoma, Primary, Secondary, Congenital, Trephining operation.

Diseases of lens. Varieties of cataract of treatment and operations, Aphakia.

Diseases of Retina inflammation, Vascular. Pigmentary Retinitis, Tumours, Glioma.

Diseases of Optic nerve, Intra-ocular and retrobulbar optic neuritis.

Functional diseases of Retina, Amblyopia and Hæmianopsia. General optical principles, Prisms, refraction by prisms, numbering of Prisms, Lenses, spherical, cylindrical, concave and convex. Numeration and Neutralization of lenses.

Trial cases of lenses. Spectacles, eyeglasses.

Measurements for glasses and frames and prescription writing for glasses.

Errors of refraction, Ametropia. Hypermetropia etiology subjective and objective symptoms—treatment.

Myopia, symptoms, treatment.

Astigmatism, simple, compound, irregular and regular tests and treatment.

Anomalies of accommodation, presbyopia, cycloplegia.

Errors in extrinsic ocular muscles. Diplopia, Paralysis, Divergent squint, Convergent squint.

Maddox Rod, Orthophoria, Heterophoria.

Operations on extrinsic muscles, Advanced Tenotomy.

Mydriatics and cycloplegia.

Anæsthesia of eye, local and general.

Therapeutics of eye.

Instrumentology of eye.

Symptomatology of eye.

Bacteriology and vaccine Therapy of eye.

Practical Pathology, Preparation and staining of section of eye and methods of preserving the eye specimens.

Preparing and nursing of eye cases. Dressing and other necessary materials for eye cases. Case taking.

## FACULTY OF ENGINEERING.

### *B. E. Examination.*

#### PURE MATHEMATICS.

(1st Year).

*Algebra.*—Binomial theorem and its applications, Determinants, Partial Fractions. Exponential and Logarithmic series, Summation of series: tests on convergence and divergence of series. Interest and annuities, Probabilities. Approximate solution of equations by Horner's method.

*Trigonometry.*—Solution of triangles. Practical use of Logarithms. Natural Logarithms. De Moivre's Theorem. Adaptation of formulæ to Logarithmic computation. Circular and Hyperbolic functions and their expansions.

*Mensuration.*—Plane and Solid.

*Analytical Geometry.*—Properties of and problems on the Straight line, the Circle, the Ellipse, the Parabola and the Hyperbola by Cartesian and Polar co-ordinates.

*Solid Geometry.*—Elementary Euclidean Methods.

#### CALCULUS.

*Differential Calculus.*—Fundamental notions with geometrical and mechanical applications. Theorems of Taylor and MacLaurin. Partial differentiation. Euler's Theorem. Maxima and Minima of functions of a single variable.

*Integral Calculus.*—Integration of standard forms. Calculation of curve lengths and areas. Integral as the limit of a sum as an area. Volumes and surfaces of solids of revolution.

## 2. APPLIED MATHEMATICS.

*Statics.*—Concurrent and parallel forces, moments, couples, equilibrium of forces in a plane, Virtual work, Simple machines, the Pulley, the Wheel and Axle, the Differential Pulley, the Screw, the Balance, the steel yard. Stable and unstable equilibrium. Equilibrium of strings and chains. The parabolic chain. The catenary. Forces in three dimensions—Composition and resolution and simple problems.

*Hydrostatics*.—Transmission of fluid pressure. Thrust on a plane area. Centres of pressure. Resultant thrust on any surface. Equilibrium of floating bodies. Stability. Metacentre. Hydrometers. The general phenomena of capillarity, elevation and depression. The principles underlying the action of the Suction Pump, the Force Pump, the Syphon, the Hydraulic Press.

*Kinematics*.—Displacement in one plane. Translation and rotation. Relative motion. Instantaneous centre of rotation. Composition and resolution of displacement. Velocities and accelerations. Rotation of a rigid body.

*Kinetics*.—Equations of motion, momentum, work, power, and energy. Simple harmonic motion in a straight line or a curve. Pendulums, simple and compound. Impact. Moment of inertia. Radius of gyration.

### 3. SURVEYING.

*Surveying*.—Use and adjustment of surveying instruments. Theory of levelling; simple and compound, check and reciprocal levellings. Various causes of errors. Customary causes of errors in levelling. Elimination of such errors. Customary limits of errors. Methods of keeping various styles of field book. Use of boning rods. Chain survey. Chain and compass survey. Theodolite traversing by Gale's traverse system for city and town improvements surveys. Traverse tables. Theory and use of simple plane tables, tangent clinometers. Theory and use of stadia. Three point problems of plane tabling. Finding values of position by observing three known points. Computation by rectangular co-ordinates with convergency correction. Contouring. Longitudinal and cross sections run with a level. The general principles of alignment of tunnels; railways, canals and roads. Simpson's rule for cuttings and bankings. Discussions on the latest patterns of instruments.

### 4. ELASTICITY AND STRENGTH OF MATERIALS.

(1st Year)<sub>1</sub>

Moduli of Elasticity; elastic limit, yield point and ultimate strength, resilience and fatigue. Strain beyond elastic limit. Poisson's ratio. Relations between the elastic constants; elementary principles of elasticity applied to the problems of bending, shearing and torsion. Strength of beams and girders, Factors of safety. Deflection.

## 5. BUILDING CONSTRUCTIONS.

(1st Year).

(a) *Materials.*

*Stone.*—Characteristics and preparation. Varieties of Indian and European stones and their suitability to Engineering works, Methods of quarrying. Use of compressed air and steam rock drills. Explosives used for blasting. Absorption of water. Densities and crushing strength.

*Bricks and Tiles.*—Different classes of bricks and their distinguishing qualities. Suitable clays.

Methods of manufacture of bricks and tiles. Objectionable ingredients in clays. Soundness and hardness. Uniformity of quality and size. Absorption of water. Weight and crushing strength. Terra Cotta. Stoneware pipes.

*Cements, Limes and Mortars.*—Sources of supply. Process of manufacture. Varieties of limes and cements. Tests for limes and cements; precautions necessary in their use.

*Clay Puddle.*—Methods of making and placing in situ.

*Metals.*—Iron and steel; varieties and suitability for use; copper, zinc, lead, tin, and other common metals and their alloys.

*Timber.*—Felling and seasoning. Classification and properties of Indian and European woods. Preservation of timber against rot and attack by insects. Varieties of timber used in construction for different purposes and under varying conditions; characteristics of sound timber; density, tensile and crushing strength of different varieties of timber.

(b) *Construction.*

*Foundation.*—Natural and various kinds of artificial foundations, such as piles, wells, and tubular foundations; reinforced concrete rafts, etc. Coffer dams; Caissons; cast iron Cylinders; curbs.

*Stones Masonry.*—Rubble masonry, block in course; ashlar of various sorts; proper bedding of stones; proportion of bond stones; safe loads, keyed, Joggle, and lock joints; dowels, plugs; keys; cramps; methods of lifting; scaffolding.

*Brick Masonry.*—Types and their uses; object of bond, and various methods by which it is attained; closers; bedding; moisture; scaffolding; plastering; pointing; coping; cornice; blocking

course; parapet; carbel; lintal; reveal; sill; footing drip course; pise walling; grouting; racking back; hollow masonry; reinforced brick work; fixing of timber to walls.

*Plastering.*—Materials; plastering mixtures; stucco; plane and rough cast; fibrous plaster, ornamental plaster.

*Arch work.*—Centring and timbering—segmental, elliptic, 3 & 5 centred, pointed, oggee and horse-shoe, skew, hogback and stilted arches; domes and vaults; buttresses: abutments; striking centres.

*Carpentry and Joinery.*—The cutting up of logs for various purposes; shrinkage of timber; joining of timbers to resist various stresses; guilding principles for forming joints; wedges, keys, pins and spikes, etc.

Flat, Couple, Collar, Verandah, king and queen posts roofs.

*Reinforced Concrete.*—Fundamental principles governing the use of two materials in combination. Selection, compounding and testing materials employed. Regulations for reinforced concrete buildings.

#### EARTH-WORK AND FIELD ENGINEERING.

*Earth-work.*—Definitions. Contract. Stability and properties of soils. Measurements and setting-out Instruments used. Dressing and turfing. Rates, lift and lead.

*Field Engineering.*—(i) *Use of Spars.*—Various knots and lashings and the suitability of each to certain circumstances. Coiling and handling of ropes. Blocks and tackle. Reeving of blocks. Use of handspikes and rollers. Holdfasts. Guys. Use and construction of derricks, shears, gins and trestles in placing girders or columns in position in building or for other similar work.

(ii) *Ground Tracing.*—General principles. Working plans for foundations on level ground and on slopes. Trenches with vertical and with sloping sides. Laying out buildings on the ground and similar practical instructions.

#### 7. PHYSICS.

Revision of the I. Sc. course in physics with an advanced treatment of certain parts with reference to practical application.

*Heat.*—Calorimetry with radiation corrections. Critical temperature. Hygrometry. Determination of J. Adiabatics and Isothermals. Pyrometry.

*Light.*—Photometry. The direct reflection and refraction of small pencils at plane and spherical surfaces. Passage through a lens. The Telescope and the Microscope. The Achromatic lens. Polarisation.

*Acoustics.*—General laws relating to production of velocity of sound, pitch, intensity, and quality of a note, interference, echo, resonance, reverberation, and absorption.

*Electricity and Magnetism.*—Electric charge. Potential and capacity of condensers. Discharge current. Quadrant Electrometer. Dry cells, secondary batteries and behaviour in charging and discharging. Electromagnetic induction. Self-induction. Induction coil. Elementary description of D. C. and A. C. dynamos and motors. Electric measuring instruments including Wattmeters. Magnetic properties of iron and steel Hysteresis. Definition of magnetic flux. The magnetic field; direction and intensity. Methods of making magnets.

## 8. CHEMISTRY.

The general principles of qualitative analysis and elementary quantitative analysis. The properties and uses of certain metals and their important compounds.

The properties and composition of the common alloys, *e.g.*, gun metal, phosphor, bronze, brass, etc. Chemical composition and analysis of fuels. Refractory materials.

Quicklime, Hydraulic lime, cements, their chemical composition and preparation.

Paints and Varnishes; preparation and use of the common pigments, etc.

Preparation of glass, soluble glass, porcelain, pottery and bricks.

The general requirements of lubricants.

Natural waters, their chemical composition, analysis, bacteriological examination and suitability for various purposes.

Preservation of structural materials.

## 9. DRAWING.

*Plane Geometry.*—Use and care of drawing instruments. Proportional division of a line. Construction of plane and diagonal scales and scale of chords. Construction of and problems relating to a triangles, quadrilaterals, circles, polygons; construction of the ellipse, tangents and normals. Parabola, hyperbola, cycloids, involute of a circle, spiral, loci.

*Solid Geometry and Projections*:—Principles of Projection. Projection of points and lines. Traces, inclination and true length of a line. Traces and inclinations of planes. Sections of solids. Interpenetration of solids. Simple cases of intersection and development of plane and curved surfaces, and also of cast shadows.

*Machine Drawing*.—Drawings of simple machine parts such as bolts, nuts, cotlers, screws, studs, etc. Forms and proportions of pipes and cylinder flanges, couplings, pulley and speed cones, cranks and link work, connecting rods, eccentrics, pistons, stuffing boxes and valves.

*Free-hand and Model Drawing*:—Elementary instructions in careful observation and accurate sketching in pencil from sketches and drawings and also from simple models and architectural details. Elementary principles of free-hand perspective drawing, free-hand perspective views of geometrical models in simple positions.

*Perspective and Isometric Drawing*:—The general theory of conical projection and its application to perspective. Plan and shadows, Isometric projections and sketches.

*Building Drawing*:—Plan, cross-sections and elevation of buildings drawn to scale.

Making out large scale drawings of buildings parts involving elementary principles of architectural art.

## 10. WORKSHOP.

*Carpentry*.—Construction of hand tools and the object and methods of using them. Exercises in bench work and at the lathe.

*Fitting*.—Exercises in chipping, filing, scraping, screwing, and tapping. Use of scribing block, surface gauge and squares in making out work.

*Smithing*.—The forge and its tools. Management of fire. Drawing taper, square and parallel work. Bending, up-setting, twisting, punching and cutting. Welding and scraping. Forging, hardening, and tempering. Soldering and brazing.

*Foundry*.—Moulder's tools, appliances and materials. The cupola. The brass furnace. Core-making. Bench moulding, blackening, coring finishing moulds. Vents, gates and risers. Special methods required for brass moulding. Floor moulding. Open sand work.

*Machining.*—Exercises in drilling and boring. Turning with hand and slide lathes. Planing. Slotting. Milling.

#### MATERIAL TESTING LABORATORIES.

(1st Year).

*Metals.*—Tests of specimens of iron, steel, cast iron, wrought iron, and various alloys in tension and compression.

*Bricks, Limes, Mortars, Cements, and Timber.*—Simple tests for specific gravity, absorption, strength under tension, compression, and shear for various proportions, and variation in time of setting.

#### 11. PHYSICAL LABORATORIES.

Testing of spirit levels. Young's modulus of wires. Moments of inertia, Kater's rigid pendulum, pyrometric measurements. Thermal conductivity. Mechanical equivalent of Heat. Photometry, Intensity of Illumination, Ice pail test, Wheatstone's bridge, Potentiometer, Kelvin's balance, Heating effects of currents. Electrolytic current measurements. Electro-magnetic induction.

#### 12. CHEMICAL LABORATORIES.

Gravimetric analysis of iron, copper, zinc, calcium, magnesium, silicon, carbon dioxide. Qualitative and quantitative analysis of lime, cement and clays.

*Technical analysis.*—Physical and Chemical tests of oils, coal and water with a view to their suitability for use for Engineering purposes.

#### 13. FUELS AND METALLURGY.

(1st Year).

*Fuels.*—Classification of fuels; Solid, liquid, gaseous. Calorific values of fuels. Chemical analysis of fuels. Manufacture of charcoal. Manufacture of Coal-gas, its storage and purification. Storage of fuels. Selection of fuels for industrial purposes.

*Metallurgy.*—Outlines of the main metallurgical processes of the following metals, their chief uses and test:—copper, silver, aluminium, lead, tin, antimony, iron, chromium, and manganese.

*Simple Metallurgical Process.*—Solid solutions, hardening, annealing, tempering, alloys, brasses, bronzes, and welding of metals.



*Pig iron.*—Its manufacture from ores, composition and uses. Details of blast furnace and management.

*Cast iron.*—Composition of several kinds of cast iron and their strength in compression, tension, etc. Impurities in cast iron and their effect on sound casting and strength.

*Mild steel.*—Manufacture by Bessemer and Open Hearth processes. Influence of cast iron and other metals on the properties of the metal. Simple tests for finding the quality of steel. Tempering and annealing process.

*Wrought iron.*—Its manufacture: properties and uses.

*Other Metals.*—Strength and properties of copper, lead, brass, and their alloys. Preservation of metals.

#### 14. METALLURGICAL LABORATORIES.

Tests on extraction and purification of metals. Preparation and analysis of alloys. Technical examination of fuels. Determination of various constituents of steel such as carbon, silicon, manganese, etc.

#### 15. DESCRIPTIVE MECHANICAL ENGINEERING.

Properties of materials. Description of steam boilers, steam oil and gas engines, and steam turbines. Hydraulic machinery. Machines and machine tools.

#### 16. DESCRIPTIVE CIVIL ENGINEERING.

Description of bridges, dams, canals, roads, water-works, building foundations, railways, harbours and docks, etc.

#### 17. DESCRIPTIVE ELECTRIC ENGINEERING.

What we understand by an electric current. The use to which we may put the Electric current. Heating effects. Electric light. Magnetic effect. Measurement of Electricity and magnetism. Electro Magnetic Induction. Generator and motor. Elements of Electrostatics. High Tension effects.

#### 18. THEORY OF MACHINES.

(2nd Year).

The laws of friction as affected by speed, pressure and temperature. Theory of the screw and nut. Pin and pivot friction. Friction brake and clutches. Belt and rope drives. Friction of greased surface.

Definition of a machine, machine elements and pairs, links, chains and mechanisms. Constrained motion. Translation and rotation. Instantaneous centres and centrodes. Virtual motion in mechanisms. Velocity and acceleration diagrams. Worm gearing and universal joint, Rack and Pinion Eccentrics. Valve diagram and Valve gears. Screw propulsion and its application. Primary balancing of steam engines.

## 19. STEAM ENGINES.

Thermal units, Calorimetry and Calorimetric value of fuel. Behaviour of gases under isothermal and adiabatic expansion and compression.

*Steam Engines.*—Carnot's cycles. Perfect Heat Engine and Entropy. Hot Air Engines. Properties of Saturated and superheated steam. Steam jacketing. Elementary theory of steam engine. Efficiency of steam engine on various cycles. Elementary theory of steam turbines. Air compressors and motors.

*Internal Combustion Engines.*—Gas, oil, and petrol engines. Principles of working: strength of mixture, speed, point of ignition. Effect of compression. Refrigerating plant. Elementary principles. Working substances.

## 20. HYDRAULICS.

(2nd Year).

Laws of equilibrium of fluids. Bernoulli's theorem. Flow of water through orifices and mouthpieces. Flow over notches of various section. Open and submerged weirs. Narrow and broad crested weirs. Bridge openings. Flow of water through pipes. Coefficients, mean velocity and discharge. Losses due to convergency and divergency of pipes. Venturimeter, valves, syphons, nozzles, bends, and thrust blocks, Canal locks. Flow of water through open channel. Variation of velocity in the cross section of a channel. Mean and limiting velocities. Coefficients, mean velocity and discharge. Waves. Back water. Laws of fluid friction. Gauging the flow of water in open channels and rivers.

## 21. ELASTICITY AND STRENGTH OF MATERIALS.

(2nd Year).

Stresses in beams and girders. Deflection. Torsional, strength and deflection of shafts and springs. Theory of shear stress. Repeated loading. Elementary theory of built-in-beams.

Secondary effects of bending. The strength of cast iron, steels, bronzes, and brasses, and their mechanical and physical properties.

## 22. THEORY OF STRUCTURE.

(2nd Year).

Bending moments, shearing forces for fixed and moving loads, Stresses in framed structures, like cranes, roofs and bridges, trusses, etc. Suspension bridges. Maxima and minima stresses in a point due to eccentric loading. Stability of block work structures, Earth-work and Retaining walls, High masonry dams, Foundations, steel and masonry chimneys. Graphical problems arising out of the foregoing to be worked out by students on the drawing board.

## 23. PURE MATHEMATICS.

(2nd Year).

*Analytical geometry of two and three dimensions.*—Properties of the general equation of the second degree in two variables: direction cosines of a straight line and problems thereon. Cylinder, Sphere and standard forms of second degree, surfaces.

*Differential Calculus.*—Tangents, normals, asymptotes, curvature. Tracing of curves from their cartesian and polar equations. Envelopes, Involutcs, Evolutes.

*Integral Calculus.*—Double and treble integrals as applied to mass centres and moments of inertia, Plainimeters. Approximate evaluation of definite integrals (Simpson's rules).

*Differential equations.*—Formation of differential equations, ordinary and partial. Solutions of the standard forms of equations of the first order. Linear equations with constant or homogeneous coefficients. Linear Simultaneous equations in two dependent variables only. Standard forms of elementary partial differential equations.

## 24. APPLIED MECHANICS.

(2nd Year).

*Statics, Hydrostatics, Dynamics.*—Advanced treatment of the subjects taught in the first year with the help of Calculus, paying special attention to solution of Engineering problems.

## 25. ECONOMICS. (2nd Year).

The data of political economy and methods by which they are studied. Relation of economic science to practice. The meaning of economic law. Demand and supply. Law of diminishing utility. Factors in production and their combination. Labour and natural agents. Increasing and decreasing returns. Capital, its influence and conditions of its accumulation. Value in relation to riches. Price, utility, and cost of production. Determinants of ratios of exchange. Element of cost. Complex problems of value. The theory of international and internal trade and its relation to home trade. The law of rent. Interest and profits. Theory of the value of money. The value of foreign bills.

## 26. ENGINEERING LABORATORIES. (2nd Year).

### *Material testing Laboratory.*

*Metal.*—Bending, torsion, shear and deflection. Ultimate strength, yield point, and elastic limit. Effect of time and repetition of load. Ball hardness test, coefficients of expansion, critical speeds of shafts, etc.

*Reinforced concrete.*—Tests of reinforced concrete beams and slabs and columns in tension, compression, and bending.

### MACHINE TESTING LABORATORY.

*(For Mechanical Engineering Students only).*

The testing of lathes and other machine tools for determining their efficiency by the help of electrical instruments; transmission and absorption dynamometers.

## 27. ELECTRO-TECHNICS. (2nd Year).

Electric units. Measurements of electrical quantities. Current, E. M. F., Resistance, Electromagnetic, chemical and heating effects of current. Elements of alternating currents, Transformers. A. C. and D. C. machines. Elementary theory of Dynamos and motors; functions of their principal parts. Power transmission and distribution; Electric lighting, Switch Board. Internal wiring for power and light. Testing for insulation. Resistance and localization of faults. Wiring rules. Electric heating apparatus. Capital and maintenance costs. Cost of wiring per unit, systems of charging for electrical energy.

## 28. ELECTRO-TECHNICS LABORATORIES.

(2nd Year).

The operation of alternating current and direct current machinery. Tests on the running characteristics. Efficiency tests. Applications of Electrical driving to industrial purposes. Transmission and conversion of Electrical Energy.

## 29. GEOLOGY AND MINERALOGY.

(2nd Year).

Discussion of the geological agents at work on and beneath the surface of the earth; water; forest; snow; ice; the atmosphere; chemical, mechanical and organic actions, Phenomena of earthquakes, volcanoes, elevation and depression of land. Geological functions of plants and animals.

The classification of the stratified crust of the earth; the primary, secondary, and tertiary rocks, fossils and minerals. Essential constituents of common rocks, such as limestone gneiss, micaceous and chloritic schists; granite: syenite trachyte, pumice; sandstone; slate, laterites, etc.

Description of bedding and joints; inclination of rock; dip outcrop and strike, curvature: monocline, syncline; anticline. Nature and origin of faults, veins and dykes. Igneous rocks. Metamorphism. Ore deposits, unconformability.

*Indian Geology.*—Mountain ranges, plains and rivers. Distribution of alluvium, trap, and crystalline rocks. Drift of Indian coasts. River drift of the Nerbada and Tapti. Alluvial plains of the Indus and the Ganges. Formation of the Laterite and Regur, and their relation to vegetation. Rocks of the Siwalik Hills, and the pliocene mammalia. Nummulitic limestone and associated Tertiary strata in India. Distinctive fossils; (1) marine, and (2) terrestrial of the Tertiary period. Marine cretaceous rocks; their mineral character and fossils Volcanic rocks of the Deccan, and their interbedded deposits. The Jurassic rocks of Cutch. The lower Gondwana rocks in India. The Talchir series.\* The coalfields of the Gondwana rocks and their fossil plants. The marine Trias of the North of India. Relations of secondary to primary strata in India. Carboniferous rocks of the Salt Range. Vindhyan and older stratified deposits. The Charnockite series of crystalline rocks. The gneiss and schists of South and Central India. General structure of the Himalayas.

*Mineralogy*.—Crystal form and symmetry; division into systems; their principal characteristics; classification based upon (a) chemical composition, (b) physical properties, *e.g.*, specific gravity, hardness, cleavage, fracture; phenomena relating to light; simple description and identification of rock forming minerals, ores, veinstones, salts and gems. .

### 30. DESCRIPTIVE CIVIL ENGINEERING.

(2nd Year).

This course is intended for lectures on estimating, descriptive engineering, reinforced concrete works, tunnels, harbours, locks, docks, bridges, cableways, foundations, roads, railways, highways, pile driving, reclamation and dredging, etc.

### 31. GEOLOGICAL LABORATORIES.

(2nd Year).

The object of the Laboratory work is to acquaint the students to identify the more common ores, salts and rock forming materials by the application of simple physical and chemical tests.

### 32. IRRIGATION.

(2nd Year).

(1) *Well Irrigation*.—Sub-soil water reservoirs. Lined and unlined wells. Artesian wells. Duty of wells. Area irrigable from a well. Duty of water. Base of duty.

(2) *Tank Irrigation*.—Catchment area. Rainfall, Yield. Maximum run-off. Reservoirs for storage of water. Earthen dams. Masonry dams. Theory of their stability and design. Absorption and evaporation. Losses in the reservoir, Open weirs. Floodgates. Sluices. Surface shutter. Undersluices. Syphon, spillways. Silt accumulations and life of reservoirs. Flood absorption capacity of reservoir.

### 33. WATER WORKS.

*Sources of supply*.—Springs, wells, rivers, lakes; choosing the supply.

Impounding storage and service reservoirs. Intakes, settling tanks, filters, rates of filtration. Various types of Mechanical filtration. Water towers.

Rising mains, expansion joints, losses in head, valves, service tanks, house connections, meters, cisterns. General types of pumping installations used in India.

## 34. CIVIL ENGINEERING DESIGN. (Lecture).

(2nd Year).

This course is intended to supplement the lectures on Theory of Structures, Irrigation, Reinforced Concrete, General Engineering works. The course will include the design of masonry buildings and bridges; steel buildings; plate and lattice girder bridges; steel arches; suspension, cantilever and tubular bridges; swing-bridges; reinforced concreted structures; retaining walls; masonry dams; aqueducts; roof trusses; steel and masonry chimneys; various kinds of foundations, etc.

## 35. CIVIL ENGINEERING DRAWING AND DESIGN.

(2nd Year).

The student will be expected to submit complete designs and plates of a masonry building and a steel structure.

## 36. MECHANICAL ENGINEERING DESIGN AND DRAWING.

(2nd Year).

*(For Mechanical Engineers only).*

Advanced examples. Inking in. Shade lining. Flat washing in colour. Strip shading and soft shading. Tracing. Preparation of blue prints. Sketching. Preparation of working drawings from actual measurements of details and complete machines required in mechanical and electrical engineering. Proportional measurements and their meaning. Calculations of the proportions of machine details from given rules. Design of some simple machine.

## 37. LECTURE ON MACHINE DESIGN.

(2nd Year).

*(For Mechanical Engineers only).*

Principles of the strength of materials applied to the designs of the parts of machine. Fastenings used in machine construction, bolts, screws, keys, cotters, rivets, and rivetted joints. Journals and bearings. Shafts, couplings and axels. Toothed gearing. Transmission of power by gearing, belting, ropes and chains. Design of pipes, cylinders, cranks, eccentrics, pistons, and piston rods, crossheads and slides, stuffing boxes, flywheels and connecting rods.

### 38. HIGHER THEORY OF ELASTICITY. (3rd Year).

Continuation of second year work on strength and deflection of iron including theorem of three moments, etc. Combined stress and strain. Stresses in Pipes and thick cylinders. Stresses in long columns. Eccentric loading. Euler's theory concerning struts, modification due to Rankine, Gordon and others. Stresses in rotating discs and shafts. Vibration in shafts. Critical speeds, Transverse and longitudinal vibration of structure. Deflection of framed structures by the theory of work.

### 39. HYDRAULICS. (3rd Year).

Theory and design of centrifugal and reciprocating pumps. Valves and air vessels. Efficiency of pumps. Methods of lifting water by animal power. Chief types of simple and series pumps. Pulsometers. Hydraulic Bams.

Water wheels, Theory and design of Pelton wheel, of impulse and reaction turbines. Specific speed, best heads and quantities of water for the use of Pelton wheel. Governing of turbines. Draught Tubes.

Surge tanks. Their theory and application.

Calculation of afflux and back water curve. Standing waves. Application and use of Gould's function. Water hammer.

*Hydraulic Transmission of power.*—Accumulators. Valves, Hydraulic mains. Lifts, etc.

*Theory of Dimensional Homogeneity.*—Theory of dynamic similarity and use of the coefficient of viscosity. Calculations for model experiment on Pelton wheels. Hydraulic turbines, Centrifugal pumps. Ship resistances. Standing waves and propellers.

### 40. GEODESY.

*Surveying.*—Theory of curves. Curves laid out with the aid of angular instruments. Curves laid by linear measurements only, by chords and offsets, and by offsets inside the curve. Compound curves. Division curves. Vertical curves. Curve spiral or Transition curve. Double centre method for laying out a straight line, setting out pegs for earth work. Curves with given data to pass through ruling point. Introduction to spherical Trigonometry up to the solution of spherical triangles and the adaptation of Napier's rules of circular parts.



*Hydro-Electric Surveys.*—Topographical maps, how to study and read them, areas suitable for water power schemes, preliminary reconnaissance, catchment areas, rainfall and run-off. Barlow's percentages, approximate discharge of streams and rivers, capacity of water impounded, hydrographical methods of survey, pipe line alignment, tunnel alignment, forebay, transmission line survey. Instruments used in reconnaissance, preliminary survey and final contour survey.

*Astronomy.*—Definition. System of celestial co-ordinates; The reasons for sidereal sun and the mean time; accelerations, retardation and equation of time; Julian and Gregorian Calendars; time and the various astronomical corrections.

The practical course consists in finding the meridian of a place by observations of the sun or a star at upper culmination by equal altitudes, by the sun or stars not on the meridian, and by circumpolar stars at elongation; and in finding time by the sun or stars on the meridian and ex-meridian: and in finding latitude, by polaris, and circum-meridional observations. Use and construction of Sun-dials.

#### 41. HIGHER THEORY OF STRUCTURES.

Secondary stresses in structure. Theory of arches. Masonry arches. Hinged arches. Three point hinged arches. Resilience tests for failure of long struts. Suspension-bridges. Swing-bridges. Approximate method of finding stresses from indeterminate equations. Design of revetted joints and stresses in boiler shells. The theory of least work and its application to the metal arch. Stresses in high masonry dams. Theory of earth pressure and of foundations.

#### 42. IRRIGATION.

(3rd Year).

*Canal Irrigation.*—(General description of Indian rivers. River discharges. Guaging silt and remedies against its excessive deposition. Kennedy's Theory and its applications. Garrat's tables and diagrams.

Perennial and Inundation canal system. Duty of canal water and Base of Duty. Losses in a canal. Waterlogging and lining of canals to prevent loss.

*Inundation canals.*—When permissible. General description of such system. Location of take-off to avoid silting.

*Perennial canals.*—Sources and quantity of supply. Location and design of headworks in boulders. Trough and delta stages of a river. Flood sluices. Head Regulators. Supply channels. Afflux Bunds. Temporary Diversion Bunds. Permanent Weirs. Automatic gates and shutters. Stony sluice gates.

*Design and alignment of canals.*—Peculiarities of alignments of canal in plain and hilly countries. Determination of watersheds. Falls. Bridges. Regulators. Escapes. Outlets. Roads. Distributaries and Minors. Their design and running.

*Cross drainage works.* Maximum rate of run-off from catchments. Inlets. Super-passages. Level crossings. Aqueducts. Syphons. Reservoirs.

*River Training Works.*—Spurs. Groynes, Bell Bunds. Stream line Bunds. Mattresses. Aprons.

#### 43. REINFORCED CONCRETE.

(3rd Year).

Nature, uses, properties, advantages and disadvantages of Reinforced Concrete over other types of constructions. Assumption made in theory of stress in R. C. beams.

Theory and Design of simple beams, T-beams and slabs for different conditions of loading.

Shear, bond, and diagonal tension, its nature, evaluation, and location of reinforcement.

Design of doubly reinforced beams, and continuous beams. Theory and Design of R. C. columns and piles.

Design of Slab foundations

Design of simple cantilever and counterpart retaining wall.

Equivalent moments of inertia for R. C. sections.

Theory of Elastic deflections and outline of investigation of stresses in Reinforced Concrete Arches.

#### 44. CIVIL ENGINEERING DESIGN LECTURE.

(3rd Year).

Continuation of 2nd year work. (See page 353).

#### 45. ENGINEERING DESIGN.

The students will have to submit at least complete designs and plates of one steel structure and one major irrigation work.

## 56. ACCOUNTS.

General principles of Book-keeping. Cash book and initial accounts of P. W. D. Control of works and operations of manufacture by means of accounts, cost sheets etc. Workshop accounts. The relation of spending officers towards their superiors to sanction outlay and towards the auditing officers.

47. SANITARY ENGINEERING.  
(3rd Year).

*Sewerage, Sewage Disposal and Trade Waste.*—General considerations in connection with the preliminary work of designing a scheme. Data necessary before scheme can be formulated. Methods of estimating the amount of sewage proper. Present and future population affected by scheme and circumstances modifying the same. Variation in rate of flow and causes of same. The problem of inclusion or exclusion of existing sewer system. The various systems of removal of sewage and their relative advantages. The disposal of rain water. Past and present methods of estimating rates of run-off. Intensity curves and Kuichling's law. Absorption power of the usual classes of surface. Rational method of calculating rainfall capacities of sewers. Effects of shape and slope of area on run-off. Effect of storm water overflows. General discussion of discharge formulæ for sewers. Discharge problems involving an increasing rate of flow. Self-cleansing velocities. The use of comparative discharge diagrams. Methods of gauging flow in existing sewers. Storm overflows. Inverted syphons. Sewers under rivers, canals, and other obstacles. Design of large sewer under external pressure. Tunnellings through rock and water-logged ground. The design of junctions of large sewers, sea and river outfalls. Automatic and other types of pumping. Tidal gates. Ventilation. Timbering of trenches and tunnels. Sewage disposal, general consideration. Variations of the problem due to geographical position of town. General notes on sampling Bacteria and their relation to sewage disposal. The malignant bacteria and their identification. Transmission of bacteria. Methods of disposal by dilution, or by treatment and subsequent discharge into running water. General composition of sewage from an engineering point of view. Detritus tanks. Screens. Sedimentation. Septic and hydrolytic tanks. Colloidal treatment. Chemical precipitation. Coagulation. Contact beds. Activated sludge treatment. Percolating beds. Sludge and its disposal. Humus tanks. Automatic dosing apparatus. Various methods of collecting and disposing of solid, domestic and trades refuse. The transportation and handling of refuse. Design and operation of refuse destructors.

## 48. HEAT ENGINE LABORATORIES.

(3rd Year).

(For Civil Engineers).

*Steam Engine.*—Experiments on high pressure and low pressure boilers, horizontal and vertical steam engines, air compressors and steam turbines. Experiments on gas and oil-engines.

## 49. ARCHITECTURE AND TOWN PLANNING.

General principles of Modern, Classic, and Indo-Saraceni architecture of civic, religious, business premises, theatres, museums, colleges and universities and other public buildings.

*Town Planning.*—General principles of town planning. Suitability of an area. Boundaries. Adoption of design to natural features. Allocation of area for the several classes of buildings, park and open space. Advantages and disadvantages of private open spaces. Improvement of existing conditions of cities. Design and construction of streets, side walks and kerbs, markets, parks, cemeteries, and shade trees. Ornamenting and beautifying of towns.

## 50. SPECIFICATIONS AND ESTIMATING.

*Estimating.*—Rules for taking out quantities in earth work masonry flooring, wood-work, mouldings, arches, groined roofs, domes, steel work, and plumber's work.

Calculation of probable quantities of materials required to be furnished for the completion of work.

Common rates and their analysis.

Rates for carriage of material by different means of transport.

Specifications, contracts, and contract law.

Detailed estimates of some of the designs carried out by the students in the Civil Engineering Design Course.

*Specifications.*—Specifications of different kinds of stone and brick masonry, cement work, wood work, etc.

## 51. WORK MANAGEMENT.

(For Civil Engineers).

Evolution of engineering industries, examples of successful organisation. Economics of manufacturing and construction. Methods of remunerating labour, cost analysis. Conveyance of goods by rail, road and water. Economical methods of construct-

ing civil engineering works under varying conditions. Productive and protective works. Systems of contract. Organisation of departmental works: economical lay-out of works and labour camps, sanitation, medical aid, water-supply, lighting. Recruitment and control of labour. General administration of large works with their labour camps.

## 52. THEORY OF MACHINES.

(3rd Year).

(For Mechanical Engineers only).

Altered mechanisms. Expansion of elements. Reduction of mechanisms, balancing of steam engines, I. C. engines and locomotives, cam trains, etc. Epicyclic and other forms of gearings. Differential gearing. Humpage gear. Various forms of teeth shafts, couplings and axles. Friction of rest and motion. Friction of lubricated surfaces. Friction in mechanisms and efficiency of machines.

Rectilinear and rotational motion. Inertia, forces in mechanisms, balancing of steam engines, I. C. engines and locomotive (gyrostatic action). Dynamics of the steam engine, Cycles, speed variation, effort and resistance, steadiness: crank effort: governors and flywheels. Correction of indicated diagrams for acceleration. Secondary balancing pressure of the crank pin, Cushioning for acceleration. Stress in locomotive coupling rod; connecting rods. Vibration. Effect of vibration on the speeds of engines. Transmission and absorption dynamometers.

## 53. ELECTRO-TECHNICS.

(For Mechanical Engineers only).

*Direct current machines.*—Characteristics and performance of generators and motors. Starting, reversing, and regulation of motors. Details of construction. Switch boards. Auxiliary machines, general arrangements of plant and installation.

*Alternating current machines.*—Production of an alternating E. M. F. maximum and R. M. S. value of wave forms. Effect of resistance, inductance and capacity. Polyphase circuit Power and power factor. Choke coils. Transformers. Alternators and motors induction. Transmission and distribution of electric energy for light and power. Wiring, Installations, and conductors. Cables. Systems of supply and distribution. Location of faults. Batteries. General principles of electric traction, Filament lamps: Arc and vapour lamps.

## 54. ELECTRO-TECHNIC LABORATORIES.

(For 3rd year Mechanical Engineers).

Tests on A. C. and D. C. instruments and circuits. Tests for characteristics, losses and efficiencies of D. C. and A. C. machines, transformers, etc..

## 55. HIGHER METALLURGY.

(3rd Year).

Physical characters of metals. Changes resulting from heat and mechanical treatment. Pyrometry Metallography. Condition of equilibrium of Binary alloys. Electric smelting and preparation of steel.

## 56. METALLURGICAL LABORATORIES.

(3rd Year).

Experiments in roasting, fluxing, reduction, liquefaction, scorification, cupellation, amalgamation, etc., illustrating the various methods and processes employed in the extraction and purification of metals. Preparation of alloys. Detection and estimation of the common metals, viz., iron, copper, lead, silver, gold, tin, antimony, zinc, bismuth, manganese, in their ores by both the wet and the dry processes.

## 57. MACHINE TOOLS.

Construction and application of cutting tools. Shapes and speeds of cutting tools for various materials. Materials used for cutting tools and their heat treatment. Various machine tools and their uses, Lathes, planing machines, drilling machines, slotting machines, automatic and semi-automatic machines and their uses.

## 58. HIGHER THEORY OF THERMODYNAMICS.

The Advanced Physics of Thermodynamics. The various laws of gases, and cycles of operation. History of the development of various cycles of operations.

*The steam engine.*—Behaviour of steam in metal cylinder. Cyclical flow of heat in the walls. Experiments of Callender

and Nicolson Law of initial condensation. Law of valve leakage. Application of entropy and heat charts. Total consumption of an engine. Simple, compound and uniflow engines. Condensing and noncondensing engines. Effect on consumption of speed, pressure, ratio of expansion and vacuum. Design and proportion of cylinders. Combustion of coal on a grate. The effects of rate of firing. Furnace temperature. Osborne Reynold's law of heat transference. Chimney temperature. Number of tubes. Draft, General description of the various types of high speed boilers.

Steam turbines.—Flow of steam through orifices and nozzles, the De Laval turbines. The many stage impulse turbine, Rateau type. The few stage velocity turbine. Curtis type. The many stage reaction turbine. Parsons type. Combined types. Consumption and proportions. Effect of high pressure, superheat and vacuum. Strength of spinning discs. Governing.

*Internal Combustion Engines.*—Explosion type. More advanced parts of the theory of gas and oil engines. The variable specific heat theory. The standard cycle. Recent work on gaseous explosions. Various types of gas producers. Theory and practice of Air Compressors and Motors, Single and multi-stage. Refrigeration. Theory of refrigeration, and its application in practice. The use of Mollier's I. chart, Liquefaction of gases, The Humphrey Pump.

*Diesel Type.*—Theory and construction of the Diesel oil motors, with and without allowance for variation of specific heat with temperature. The various types manufactured. Effect on economy of speed and cylinder proportions. Semi-Diesels. Fuels available for Diesel Motors.

Various types of evaporators and their efficiencies. General arrangement and construction of the more important types of generating plants.

## 59. PRINCIPLES OF AERONAUTICS AND AEROENGINES.

The importance of Aeronautics and possibilities of its development in future. Theory of stability of the Aeroplane, and principles of the design of wings. Relation between the wing area, and total load. Principles of the Fusillage design and determination of the speed and size of propellers, to give the most efficient results. General types and fundamental principles of Aero-engines.

## 60. ORGANISATION OF INDUSTRIES AND WORK MANAGEMENT.

The evolution of engineering industries. Examples of successful organisation. The economics of manufacturing. Methods of remunerating labour, cost analysis and factory accounts; labour-saving devices, and systems of handling and controlling orders. Conveyance of goods on road, rail, and water. Legislation affecting engineering industries.

## 61. MACHINE DESIGN AND DRAWING.

*(For Mechanical Engineers only).*

The complete design of a machine (such as a steam or internal combustion engine, a pump, a turbine, or a machine tool) is worked out, and the requisite working drawings and tracings are prepared.

## 62. HEAT ENGINE LABORATORIES.

*(3rd Year).*

*(For Mechanical Engineers).*

Same as for Civil Engineers (see page 452).

## 63. MACHINE DESIGN LECTURES.

*(3rd Year.)*

The application of theory to practice in the design of modern types of steam boilers, steam engines, including the uniflow steam turbines and internal combustion engines, including "solid injection" type.

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## FACULTY OF EDUCATION.

### *Diploma-in-Education.*

#### PRINCIPLES OF EDUCATION AND ELEMENTARY

#### EDUCATIONAL PSYCHOLOGY.

- (a) Ideals and Aims in Education. The Elemental Educational Values. The question of Formal Training. Principles of the Curriculum. Correlation in Teaching. The Logical and Psychological order of Studies.  
Factors and Methods in the training of Thought.  
Definition and Language in Education.
- (b) Psychology and its relation with Education. Nervous System and its functions. Heredity and Environment. Instincts: Sensation, Perception, Imagination, Memory, Conception, Reasoning, Emotions.  
Volition. Habit formation.  
Attention. Interest. Fatigue.  
Play. Imitation and Suggestion.  
Laws of Learning.  
Formation of character.

#### SCHOOL MANAGEMENT AND HYGIENE.

Types of Schools.  
Classification of Pupils.  
Head Master and Staff. Distribution of work. Timetables. Home-work. Examinations. Records.  
Hostels.  
Infectious Diseases.  
Order and Discipline.  
Extra-curricular activities.  
Parental Co-operation.

#### *Hygiene.*

Broad Outlines of Anatomy and Physiology.  
Medical Inspection.  
Defects and Diseases.  
Conditions of healthy physical life.  
Hygiene conditions of the school.  
First aid in minor injuries and ailments.

## HISTORY OF EDUCATIONAL IDEAS AND SELECT CLASSICS IN EDUCATION.

A period will be prescribed from time to time along with a set book or two. There will further be prescribed a book or two under Educational Classics.

### EDUCATIONAL CLASSICS.

Rousseau.	Emile.
Plato.	Republic.
Locke.	On Education..
Spencer.	Education.
Dewey.	Democracy and Education.

### METHODS OF TEACHING.

A. *General.* Technique in Teaching. Deductive and Inductive Development lessons, Narration, Description, Explanation, Observation, Expression, Exposition and Illustration, Questioning and Discussion.

B. In teaching the special subjects the following points will be dealt with:—

- Aims and Values of the subject.
- Content and its organisation.
- Various methods of teaching the subject.
- Schemes and Notes of lessons.
- Correlation with other subjects..

### MODERN EDUCATIONAL SYSTEMS AND PROBLEMS.

A comparative study of the modern educational systems of the leading countries of the world. Indian Education shall form the centre of the study, and along with this the systems of two or three leading countries shall be prescribed from time to time. The following will be the lines of study:—

Introductory—dealing with the historical aspects and general features of the system.

- Administrative control of Education.
- Elementary Education. Secondary Education. Higher Education. Industrial and Technical Education. Professional Education, relating chiefly to the training of teachers.
- Education of Women.
- Conclusion and Outlook.

## ADVANCED EDUCATIONAL PSYCHOLOGY.

Psychology of Individual Differences.

Mental Testing.

Psychology of Learning.

Psychology of the fundamental school subjects.

Statistics in Education.

## CHILD EDUCATION.

Nature, Scope and Methods of Child Study.

History of Child Education with special reference to Rousseau, Pestalozzi, Froebel and Montessori.

Observation and study of children. Study of exceptional children and the methods of dealing with them. Intelligence Tests.

The stages of child development.

Play—Theories of play and play methods. Importance of play in the development of the child. Free and organised play.

Fatigue—Mental and Physical.

The Child under 5 and how to deal with him.

The Child above 5 and how to deal with him.

## II. PUBLICATIONS OF THE TRANSLATION BUREAU.

No.	Author's or Compiler's Name	Name of Book	Translator's name	Remarks
INDIAN HISTORY.				
1	Hashimi, Sayyid	Matriculation History of India...	..	
2	David, T. W. Rhys	Buddhist India. (S. N. S.)	.. Sayyid Sajjad	
3	Hashimi, Sayyid	Intermediate History of India Volume I.	..	
4		Imperial Gazetteer, Vol. II:	Sayyid Ghulam Rabbani	
		Chs. VIII and IX	..	
5	Ragozin, Z. A.	Vedic India. (S. N. S.)	.. H. A. Ansari	
6	Smith, V. A.	The Early History of India	.. Md. Jamilur Rahman	Under revision.
7	Abdullah	Tarikh-i-Daudi	.. Fida Ali	In press.
8	Abul Fazl	The Ain-i-Akhari, Vol. I.	.. Do	Under revision.
9	Do	The Ain-i-Akhari, Vol. II.	.. Do	Do
10	Abu Umar Usman	Tabakat-i-Nasiri	.. Do	In press.
11	Shams Siraj Afif	Tarikh-i-Feroz Shahi	.. Abdul Sattar	
12	Beni Pershad	Jehangir	.. Sayyid Hashimi	
13	Ferguson, J.	Indio Saracenic Architecture	..	
14	Ferishta	History of the Rise of the Muslim Power in India. Vol. I.	.. Do	With Notes by Sayyid Hashimi.
15	Do	Do	.. Do	Do
16	Do	Vol. II.	.. Do	Do
17	Do	Vol. III.	.. Do	
18	Hashimi, Sayyid -	Do	.. Do	
		Vol. IV.	..	
		Intermediate History of India Volume. II.	..	
19	Do	Intermediate History of India Volume. III.	..	
20	Khujista Sultana Begum	History of the Timurides	..	Under revision.

21	Moreland, W. H.	From Akbar to Aurangzeb	.. Sayyid Hashimi	..
22	Moreland, W. H.	India at the Death of Akbar	.. Md. Habibur Rahman	..
23	Motamad Khan Bakshi, Mirza Md.	The Iqbal-Namah-i-Jahangiri	.. Abul Wila Muhaumad Zakaria	..
24	Mustafaid Khan Muhd. Saqi	Maasir-i-Alamgiri	.. Fida Ali	..
25		The Babar Namah (Memoirs of Babar).	.. Nasiruddin Haider	..
26	Owen, Sidney	India on the Eve of the British Conquest.	Sayyid Hashimi	Under revision.
27	Raverty, H. G.	Notes on Tabakat-i-Nasiri	S. Hashimi, Q.T. Husain, Abdul Sattar and S. Ghiasuddin.	..
28	Saleh Kamboh, Muhammad	Anal-i-Saleh	Part I. .. Fida Ali	.. In press.
29	Do	Do	Do	.. Under revision.
30	Do	Do	Do	.. Do
31	Thomas, E.	Revenue Resources of the Mughal Empire.	Abdul Sattar	.. Do
32	Ziauddin Barni	Tarikh-i-Feroz Shahi	.. Fida Ali	.. In press.
33	Anderson, G.	British Administration in India.	Md. Elias Burny	..
34	Anderson, G. and M. Subedar	The Development of an Indian Policy (1818-1858).	Abdul Sattar	.. Do
35	Ascoli, F. D.	Early Revenue History of Bengal and the Fifth Report (1812).	Do	.. Do
36	Dodwell, Henry	Dupleix and Clive	Masood Ali	..
37	Giffin, Sir L.	Ranjit Singh (R. I. S.)	Nazir Husain Faruqi	..
38	Hashimi, Sayyid	Intermediate History of India Volume IV.	..	..
39	Horne, E. A.	The Political System of British India	Sayyid Najib Ashraf Nadri,	..
40	Hunter, Sir W. W.	Dalhousie. (R. I. S.)	Sayyid Md. Ahmad	..
41	Hutton, W. H.	Wellesley (R. I. S.)	S. M. Shawkat	..
42	Keene, H. G.	Medhava Rao Sindhia (R. I. S.)	S. M. Abdus Salam	..

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
43	Lyall, Sir A.	.. The Rise and Expansion of British Dominion in India.	S. M. Abdus Salam	..
44	Malcolm, Major General Sir J.	.. The Political History of India, Vol. I.	Ibn-e-Hasan	..
45	Do	.. The Political History of India, Vol. II.	Do	..
46	Malletson, Col. G. B.	.. Clive (R. I. S.)	Do	..
47	Do	.. History of the French in India.	Abdul Sattar	..
48	Marshallman, J. C.	.. An Abridgment of the History of India—British Period.	S. Md. Abdus Salam	Under revision.
49	Seton-Karr, W. S.	.. Cornwallis (R. I. S.)	Abdul Sattar Sayyid Hashimi and Abdul Sattar	..
50	Stephen, J. F.	.. Nuncomar and Impey. Vol. I.	Md. Harder Sayyid Hashimi and Abdul Sattar	Under revision.
51	Do	.. Do	Abdul Sattar	Do
52	Trotter, Capt. L. J.	.. Warren Hastings (R. I. S.)	Ibn-e-Hasan	..
ENGLISH HISTORY.				
53	Buckley, A. B.	.. History of England	Zafer Ali Khan and S. A. Baza.	..
54	Green, J. R.	.. A Short History of the English People. Vol. I.	Qazi Talamuniz Husain.	..
55	Do	.. Do Vol. II.	Do	..
56	Do	.. Do Vol. III.	Do	..
57	Do	.. Do Vol. IV.	Do	..
58	Do	.. Do Vol. V. Epilogue	Do	..
59	Ransome, Cyril	.. An Advanced History of England	Sayyid Hashimi	In press.

## EUROPEAN HISTORY.

60	Fyffe, C. A.	.. A History of Modern Europe ..	Qazi Talammuz Husain.	
61	Do	Vol. I. ..	Qazi Talammuz Husain	In press.
62	Do	Vol. II. ..	& Sayyid Hashimi ..	
63	Gooch, G. P.	Vol. III. ..	Sayyid Hashimi	Do
64	Grant, A. J.	Vol. IV. ..	Do	
65	Hassall, A.	History of Europe	H. A. Ansari	
66	Johnson, A. H.	The Balance of Power 1715-1789.	Do	
67	Philips, W. A.	Europe in the Sixteenth Century.		Do
68	Stephens, H. M.	1494-1598.	Md. Rahimuddin	
69	Thatcher, O. J. and F. Schwill.	Modern Europe, 1815-1889 ..	Bashid Ahmed Siddiqi.	
70	Do	.. Revolutionary Europe, 1789-1815	Hasan Abid Jafari ..	
71	Wakeman, H. O.	.. A General History of Europe.	Abdul Majid, Haider	
		Part I.	Yar Jung, and Qazi	
			Talammuz Husain.	
		Part II.	Qazi Talammuz Husain.	
		.. The Ascendancy of France, 1598	Sayyid Fakhrul Hasan.	
		—1715.		

## GREEK HISTORY.

72	Abbott, E.	.. Pericles and the Golden Age of Athens.	Md. Enayatullah	..
73	Adolf Holm	History of Greece.	Vol. I. ..	Haroon Khan Sherwani.
74	Do	Do	Vol. II. ..	Do
75	Do	Do	Vol. III. ..	Do
76	Do	Do	Vol. IV. ..	Do
77	Bury, J. B.	History of Greece	Sayyid Hashimi	..
78	Ferguson, W. S.	Greek Imperialism	Md. Enayatullah	..
79	Pickard-Cambridge, A. W.	Demosthenes	Qazi Tajammul Husain.	..

No.	Author's or Compiler's Name	Name of Book	Translator's Name	Remarks
ROMAN HISTORY.				
80	Bury, J. B.	The Student's Roman Empire	Sayyid Hashimi	..
81	Firth, J. B.	Constantine	Md. Enayattullah	..
82	Heitland, W. E.	The Roman Republic, Vol. I.	H. A. Ansari	..
83	Do	Do Vol. II.	Do	..
84	Do	Do Vol. III.	Do	..
85	Do	Do Vol. IV.	Do	..
86	Do	Do Vol. V.	Do	..
87	Pelham, H. F.	Outlines of Roman History	Do	..
ISLAMIC HISTORY.				
88	Abdul Halim Sharar	History of Islam Vol. I.	..	..
89	Do	Do Vol. II.	..	..
90	Abul Hasan-ul-Hilal us-Saabi	Kitab-ul-Wuzara	Sd. Abul Khair Maududi	..
91	Abul-Hasan Ali-al-Masudi	Muruj-uz-Zahb	Sayyid Muhammad Ibrahim Nadwi.	..
92	Do	At-tanbih-wal Ashraf	Abdullah Emadi	..
93	Abul-Hasan Yaqubi	Tarikh-i-Yaqubi	Sd. Abul Khair Maududi	Under revision.
94	Abu Zafar Mohammed bin Jarir-ut-Tahri	Tarikh-ul-Umani wal-muluk, Vol. I. (Abd Bisalat wa Hhila-fat Rashida).	Sayyid Md. Ibrahim	In press.
95	Do	Do Vol. 2 Part I.	..	..
96	Do	Omeiyades.	Haider Yar Jung Br...	..
97	Do	Do	Sayyid Md. Ibrahim	..
98	Do	Do Parts 2	Do	..
99	Do	Do Parts 3 & 4.	Do	..
100	Do	Vol. 3 Part I. Abbasides	Do	..
101	Do	Do Part 2	Do	..
102	Do	Do Part 3	Abdullah Emadi	Under revision.
	Do	Do Part 4	Do	..
	Al-Maqri	Nafah-ut-Tib	Md. Khalilur Rahman.	..



103	Al-Wazir Mohammed Lisand- din bin ul-Khatib Undluzi ..	Ehata fi Ahbar-i-Gharnata Part I	Sayyid Ahmadullah ..	In press.
104	Do ..	Part II	Do ..	
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14. India Office Library, London.
15. British Museum, London.
16. All Indian Universities—incorporated by Law (provided they send their publications in exchange).

17. The Royal Asiatic Society, Bombay.
18. All India Mohammadan Educational Conference, Aligarh.
19. Visva Bharati Library, Bengal.
20. Darul Musannifin, Azamgarh.
21. Darul Uloom Nadva, Lucknow.
22. Municipal Public Ladies' Library, Bombay.
23. City Intermediate College Library.
24. Intermediate College Library, Wauangal.
25. Engineering College Library.
26. Training College Library.
27. Roorke Engineering College Library.
28. Urdu Gashti, Kutubkhana.
29. Anjuman-i-Himayatul Islam, Lahore.
30. Educational Secretariat (three copies of each book).
31. Madarsatul Islah, Sarai-Mir, Azamgarh.
32. Library of the Executive Council of His Exalted Highness' Government.
33. Oriental Publication Bureau, Hyderabad.
34. Osmania Medical College Library.
35. Intermediate College Library, Aurangabad.
36. Intermediate College Library, Gulbarga.
37. Library of the Osmania College for Women.
38. Ismail College Library, Andheri, Gulbarga.
39. Library of the Daffar-i-Divani-o-Mal, etc., Hyderabad.
40. Islamia College Library, Lahore.
41. Islamia College Library, Peshawar.

LIST OF OSMANIA HIGH SCHOOLS RECOGNISED BY THE UNIVERSITY.

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1. City High School, Hyderabad Deccan
2. Darul Uloom High School, Hyderabad Dn.
3. Osmania High School, Nampalli, Hyderabad Dn.
4. Do Chanchalguda, Hyderabad Dn.
5. Do Darush Shifa, Hyderabad Dn.
6. Do Medak.
7. Do Nizamabad.
8. Do Mahbubnagar.
9. Do Nalgonda.
10. Do Warangal.
11. Do Mathwada.
12. Do Khammam.
13. Do Karimnagar.
14. Do Nirmal.
15. Do Gulburgah.
16. Do Raichur.
17. Do Bidar.
18. Do Yadgir.
19. Do Latur.
20. Do Osmanabad (Sarfikhas).
21. Do Aurangabad.
22. Do Jalna.
23. Do Nanded.
24. Do Parbhani.
25. Do Beed.
26. Do Momenabad (Beed Dist.).
27. Do Jagtial.
28. Alexandria Jehangir High School, Bhopal.



## GOVERNMENT HIGH SCHOOLS FOR GIRLS.

1. Osmania Girls High School, Nampally.
  2. Do Machhli Kaman, Hyderabad Dn.
  3. Do Hanamkonda.
  4. Do Chelapura (Aurangabad).
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## AIDED HIGH SCHOOLS FOR BOYS.

1. Asafia High School, Malakpet.
  2. Anwarul Uloom High School, Nampalli.
  3. Nautan Vidyalaya High School, Gulbargah.
  4. Islamiah High School, (for Theology only) Mathwada,  
District Warangal.
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Middle Schools permitted to prepare students for Osmania  
Matriculation Examination.

Central Training School for Woman, Balda.

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Unaided Middle School permitted to open High School Classes.

1. Middle School, Wanparty (Jagir) Mahbubnagar.
  2. Middle School, Chitapur.
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**LIST OF SUCCESSFUL CANDIDATES.**  
**FACULTY OF ARTS.**

**MATRICULATION EXAMINATION 1943 F. (1934).**

*New Regulations*

Roll No.	Name	Class	School	Remarks
263	Muhammad Hamiduddin	I	Osmania High School, Nirmal	
140	Rangiah	I	City High School, Balda	
20	Muhammad Qasim Qureshi	II	do	
21	Syed Shankat Husan	II	do	
22	Syed Munawwar	II	do	
25	Muhammad Jamaluddin	II	do	
27	Abdul Wahid Beg	II	do	
28	Syed Hamidullah Husaini	II	do	
32	Abdul Latif	II	do	
36	Syed Abdul Qayyum	II	do	
37	Lachmiiah	II	do	
39	A. Sher Singh	II	do	
41	Badrappa	III	do	
42	Venkat Krishna Reddy	III	do	
43	G. Rama Reddy	III	do	
44	V. Narhar Rao	III	do	
46	Vishnupant Sir Deshpandya	III	do	
48	Ellappa	II	do	
49	Narayan Chari	II	do	
52	Muhammad Abdul Majid Khan	II	do	
56	Muhammad Zahiruddin Siddiqi	II	do	
58	Muhammad Ghaus	II	do	
60	Syed Mustafa Mahdavi	II	do	
61	Muhammad Abdul Qadir	II	do	

63	Ahmad Husain	..	II	do
64	Mirza Agha Muhammad	..	III	do
65	Ghulam Moimuddin	..	II	do
66	Ghulam Mahmud	..	III	do
67	Khwaja Qamaruddin	..	III	do
68	Ahmad Abdul Razzaq	..	II	do
69	Muhammad Abdul Aziz Khan	..	III	do
70	Syed Amjad Husain Ahmad	..	III	do
72	Syed Vazir Ali	..	II	do
73	Afzal Ahmad	..	III	do
74	Abdul Rashid	..	II	do
75	Ghulam Husain Siddiqi	..	II	do
76	Muhammad Biazul Husain	..	II	do
77	Muhammad Ahmaduddin	..	II	do
78	P. Gopal Rao	..	III	do
79	G. Gopal Reddy	..	II	do
80	Narsihvan Reddy	..	II	do
81	K. Rang Rao	..	II	do
83	Narayan Rao	..	III	do
84	Ranga Reddy	..	III	do
85	P. Krishan Rao	..	II	do
87	G. Ram Krishniah	..	II	do
89	Muhammad Abdul Rasheed	..	III	do
90	Syed Muhammad Omar	..	III	do
91	Syed Abul Hasan	..	III	do
92	Muhammad Ghaus	..	II	do
93	Muhammad Abdul Sattar	..	III	do
94	Muhammad Khaliq Ahmed Nemani	..	II	do
95	Mir Mahmud Ali	..	III	do
105	Syed Abdul Wahab	..	III	do
107	Syed Abu Mahmud	..	II	do
112	Muhammad Abdul Rasheed	..	II	do
113	Shaikh Shamsul Hasan	..	III	do

Osmania High School, Darul Uloom

Roll No.	Name	Class	School	Remarks
116	Muhammad Anis Hasan	III	Osmania High School, Darul Uloom do do do do do do do do do do do do do	
121	Muhammad Musahuddin	III		
122	Syed Nurul Asafia Husaini	II		
123	Syed Tahir Muhammad	II		
124	Mir Mahmud Ali	III		
125	Muhammad Kamaluddin Azghar	III		
127	Muhammad Shamsuddin	II		
128	Mir Zamin Ali	III		
130	Muhammad Abdul Rasheel	II		
131	Syed Muhammad Husain	II		
132	Ghulam Ghous	II		
133	Mir Shamsbir Ali	II		
134	Saleh bin Ali	III		
136	Muhammad Abdul Hafeez	II		
138	Mirza Abdul Qadir Beg	III		
139	Mirza Abdul Mohimen Beg	II		
142	Mansib Ali Khan	II		
144	Mujibuddin	II		
154	Muhammad Mustaqim Minai	Completed	Osmania High School, Nampalli do do do do do do do do do do do do do	
155	Muhammad Haseenuddin	III		
160	Muhammad Zahiruddin Ansari	II		
161	Muhammad Abdul Aziz	II		
162	Muhammad Yusufuddin	III		
164	Syed Abhas Husain Naqvi	II		
166	C. Srinivas Rao	II		
167	B. Narsing Rao	II		
169	Muhammad Yaqub	III		
170	Muhammad Ali	III		
173	Ghulam Dastagir Khan	II		
174	Muhammad Abdul Mannan	II		

175	Dhonde Rao	..	II	do
176	P. Ramiah	..	II	do
178	Muhammad Abdul Rahim Khan	..	II	do
182	Ranga Reddy	..	II	Osmania Asafia High School, Malakpet
190	Ghulam Ali	..	III	Osmania High School, Darush Shifa
191	Syed Ghulam Muhammad Qadiri	..	II	do
195	P. Kishriah	..	III	do
197	Abdul Wahid Siddiqi	..	III	do
198	Shaikh Alam Korangali	..	III	do
200	Qazi Muhammad Jafar Husain Siddiqi	..	III	do
201	Syed Sher Muhammad	..	III	do
203	Syed Qaim Husain	..	Completed	do
205	Syed Muhammad Husain	..	III	do
206	R. Venkatrama Reddy	..	II	do
211	Muhammad Hashim Ah Khan	..	III	Osmania High School, Chanchalgunda
215	Ghulam Masood Khan	..	III	Osmania High School, Mahboobnagar
218	Bal Kishriah	..	III	do
220	Muhammad Abdus Salam	..	III	do
222	R. Srinivas Rao	..	II	do
225	Farid Ahmad Naqshbandi	..	II	Osmania High School, Bidar
226	Muhammad Imamuddin	..	III	do
227	R. Govind Rao Deshpandya	..	II	do
228	Shah Najmuddin Qadiri-ul-Multani	..	III	do
230	Muhammad Manzoor Husain	..	II	do
231	Syed Wahab Ali	..	III	do
233	Muhammad Abdul Rahman Siddiqi	..	III	do
234	Muhammad Ahmad	..	II	do
237	M. Narayan Rao	..	II	do
238	Gopal Rao Chauvi	..	III	do
239	Vasudev Rao Kamtikar	..	II	do
240	Shaikh Mahmud Husain	..	III	Osmania High School, Medak
241	Pulgearti Narsihvan Rao	..	II	do
242	K. Shankar Rao	..	Completed	do

Rd No.	Name	Class	School	Remarks
244	Muhammad Khwaja Moïnuddin	II	Osmania High School, Nalgonda	
245	Muhammad Shamsuddin	III	do	
246	Muhammad Murtaza Ali	II	do	
247	Muhammad Abdul Aziz	II	do	
251	Mirza Muhammad Ali Beg	III	do	
252	Muhammad Nizamuddin	II	Osmania High School, Nirmal	
253	Muhammad Abdul Wahid	Completed	do	
255	Nagu Rao	III	do	
257	Balkishan Rao	III	do	
258	Bhan Rao	III	do	
259	Raja Ram	II	do	
260	K. Narsihvan Das	II	do	
265	Bhoj Raj	II	do	
266	K. Rama Reddy	III	do	
267	N. Rama Reddy	II	do	
268	Muhammad Mohiuddin	II	do	
269	Jagdev Rao	III	Osmania High School, Nizamabad	
270	Sridhar Rao	III	do	
271	Anand Rao	II	do	
272	Kishen Singh	II	do	
273	Bhagatrachal Rao	II	do	
274	Muhammad Mukhtar	II	do	
275	Ramli	III	do	
276	Ummatul Hafeez	II	Women's College	
296	Baba Sharfuddin	Completed	Private	
297	Syed Shafi Husain Razvi	do	do	
309	Javala Perhad	III	do	
311	Mohiuddin Sharif	III	do	
320	Muhammad Abdul Karim Siddiqi Shamim	II	Osmania High School, Aurangabad	
321	Najmuddin Ahmad Siddiqi	III	do	



Roll No.	Name	Class	School	Remarks
398	Ghulam Mahbub Khan	II	Osmania High School, Jalna	
399	Muhammad Saleh Barbood	II	do	
400	Syed Mojiz Husain	II	do	
401	Raghvender Deshpanday	III	do	
402	Sita Ram Ardhikeykar	II	do	
403	Sadasev Patil Ashtikar	III	do	
404	Kashinath Chavhan	II	do	
405	Muhammad Ibrahim	II	do	
406	C. Sridharan	II	do	
407	Khan Alam Khan	Completed	Osmania High School, Beed	
409	Manik	III	do	
410	Ramchander	III	do	
411	Digambar	Completed	do	
413	Muhammad Liaquat Ali Deshmukh	II	do	
414	Lakshman	II	do	
415	Venkatash	III	do	
427	Muhammad Sharfuddin Ahmad	II	Osmania High School, Gulburga	
428	Bam Kishan Pophlay	II	do	
429	Sridhar Achari Moorkandey	III	do	
430	Raghvender Desai	II	do	
431	S. Raghvender Rao	II	do	
432	Shaikh Mahim Ali	II	do	
434	Kishen Pershad	III	do	
435	R. Srinivas Rao	II	do	
436	Muhammad Abdul Basit	II	do	
437	Syed Abdul Hamid Haqqani	II	do	
438	Muhammad Walidur Rahman Ansari	III	do	
439	Muhammad Murtaza	II	do	
442	Muhammad Hajiz Siddiqi	III	do	
444	Narayan Rao Deshpande	III	do	



445	T. Gangadhar Rao	..	II	do
446	Srinavase Achari	..	II	do
448	M. Basanna	..	III	do
449	K. Basanna	..	II	do
461	Syed Aziz Hnsain Abidi	..	III	Nautan Vidyalaya, Gulbarga
464	Bangnath Rao	..	II	do
465	Muhammad Abdul Wahab	..	II	Osmania High School, Yadgir
467	R. T. Malikarajan	..	II	do
468	Syed Abdul Hamid Razvi	..	III	Osmania High School, Raichur
471	Sripad Rao	..	III	do
472	Baghvender Rao Kamurkar	..	III	do
473	Lingappa	..	III	do
474	Bhogainder Rao	..	III	do
476	Jewan Rao	..	II	do
477	Srinivas Rao Hosurkar	..	III	do
479	Muhammad Abdul Razzaq	..	III	Osmania High School, Latur
482	Muhammad Abdul Wahid Ansari	..	II	do
484	Muhammad Ishaq Ansari	..	III	do
487	Gulab Chand Baldeva	..	III	do
490	Vinayak Rao Kilmankar	..	III	do
491	Balkishen Baldeva	..	II	do
495	Raj Ram Khatkar	..	III	Osmania High School, Osmanabad
501	Muhammad Inamuddin	..	II	Osmania High School, Warangal
502	Muhammad Hashim Khalil Siddiqi	..	III	do
504	I. Venkateshwar Rao	..	II	do
507	Khwaja Abdul Rahim Shamsi Salma Latifi	Completed		do
509	K. V. Rajeshwar Rao	..	II	do
510	B. Jaisena	..	II	do
512	Muhammad Abdul Rahim	..	III	do
513	Muhammad Bashiruddin Ahmad	..	III	do
514	Mirza Ahmad Beg	..	II	do
515	Muhammad Ghans Qadri	..	II	do
516	Mirza Yaqub Beg	..	II	do

Roll No.	Name	Class	School	Remarks
517	Syed Hadi Ali Zaidi	Completed	do	
518	Mirza Saif Ali Beg Mahdi	III	do	
520	P. Venkat Ram Rao	II	do	
521	M. Venkatswami	II	do	
522	D. Srinavas Rao	II	do	
523	M. Ramna Reddy	III	do	
525	C. Ram Reddy	II	do	
526	N. Parialvar	III	do	
527	Ganwant Rao	III	do	
528	Ghulam Samdani Ahmad	II	Osmania High School, Mathwada	
530	Yasin Sharif	III	do	
532	Muhammad Hafeezuddin	III	do	
536	Charkopali Venkateshwar Rao	III	Osmania High School, Khammam	
537	D. Buchchi Ramiah	II	do	
540	Syed Abdul Qadir	III	do	
541	Syed Azizul Hasan Naqvi	III	do	
542	Syed Abhas Husain	III	do	
543	C. H. Venkateshwar Rao	Completed	do	
544	Muhammad Abdul Qadir	II	do	
545	Muhammad Fateh Naseeb Khan	II	do	
546	D. Venkateshwar Rao	II	do	
547	M. Anant Ramiah	III	do	
549	Nasiruddin Ahmad	III	Osmania High School, Karimnagar	
550	Rangu Venkatti	III	do	
551	K. Ranga Rao	III	do	
552	P. Anandam	III	do	
553	Ranga Rao	III	do	
554	Bhagwan Rao	III	do	
562	R. Chakrapani	III	do	
563	Muhammad Fasiluddin	II	do	

565	C. Ganesh Singh	..	III	do
566	Nagbhusnam	..	II	do
568	Tuka Ram	..	III	do
569	Shankariah	..	II	do
570	Narhari	..	III	do
572	Muhammad Abdul Khalil	..	III	Osmania High School, Jagtial
573	Syed Sultan Mohiuddin Qadri Saifullah	..	II	do
577	K. Sataynarayan	..	II	Private
583	Muhammad Sardar Khan	..	III	do
584	Muhammad Hafizuddin	..	III	Alexandria Jehangir High School,
586	Muhammad Noor Khan	..	III	Bhopal
587	Muhammad Atiqul Rahman	..	II	do
589	Abdul Hasib Ansari	..	III	do
590	Abrar Ahmad	..	II	do
593	Nawal Kishore	..	III	do
597	Qamar-raz-Zaman	..	II	do
601	Mirza Irfan Ali Beg	..	II	do
602	Baeharat Khan	..	III	do
603	Anwar Shah Khan	..	II	do
605	Muhammad Rafiq Ansari	..	III	do
606	Muhammad Nomanuddin	..	III	do
607	Abdul Qudus Siddiqi	..	III	do
608	Masood Baza Khan	..	III	do
609	Syed Hamza Hasani	..	III	do
611	Shiyam Lal	..	III	do
997	Muhammad Mahbub Ali Khan	..	Completed	do

## Old Regulations

628	Abdul Fazl Khalil Ahmad Noori Azad	..	II	City High School, Balda
630	Hibatullah Bhai	..	III	do
631	Syed Alimullah	..	III	do
634	Ghulam Moimuddin Khan	..	II	do
635	T. Yadgir Rao	..	II	do

Boll No.	Name	Class	School	Remarks
637	Venkat Rao Pathak	III	City High School, Balda	
640	Malik Sefdar Husin	III		do
641	Noor Muhammad	II		do
644	Muhammad Subhan Ali Khan	III	Osmania High School, Darul Uloom	
650	Muhammad Abdul Aziz Qureshi	III		do
654	Syed Khalil	III		do
662	Muhammad Moiruddin	II		do
672	Syed Raza Husaini	Completed		do
679	Syed Muhammad Asad Khan Bezvi	do		do
679	Muhammad Osman	III		do
681	Muhammad Wahiduddin Ahmad	III		do
682	Muhammad Jafar Mohiuddin	III		do
684	Mirza Liaquatullah Beg	III		do
686	Abul Qasim Muhammad Siddiqi	II	do	do
689	Muhammad Shafiq Ahmad Nomani	Completed	do	do
690	Muhammad Abid Ali Qureshi	do	do	do
692	Siddiq Akbar Siddiqi	do	do	do
693	Mirza Razaq Ali Beg	do	do	do
694	Muhammad Asghar Ali Khan	do	do	do
695	S. Narsing Rao	do	do	do
696	Muhammad Shahbir Ahmad Khan Alvi	do	Osmania High School, Nampalli	
697	Muhammad Husainuddin	do		do
699	Govind Rao	III		do
703	Ghulam Soofi	Completed	do	do
704	Fakhruddin Ahmad	III	do	do
706	Shaikh Noor Ahmad	Completed	do	do
707	Muhammad Khalilur Rahman	do	do	do
708	D. Vengala Chari	do	do	do
709	M. Gururaj Rao	do	Asafia High School, Malakpet	
717	Muhammad Abdul Rashid Siddiqi	III		do

718	Muhammad Khwaja Khan	..	Completed	do
722	Muhammad Abdul Jabbar	..	III	do
723	Sadashev Palaskar	..	III	do
727	Syed Abid Razi	..	III	Osmania High School, Darush Shifa
734	Afzal Noor Khan	..	II	Osmania High School, Mahboobnagar
735	Muhammad Aminullah	..	III	do
738	Ram Rao	..	III	do
742	P. Hammat Rao	..	Completed	do
745	Muhammad Shafi Ahmad	..	III	Osmania High School, Medak
746	Muhammad Habib Ahmad	..	Completed	do
747	Khan Muhammad Khan	..	do	do
768	Muhammad Mushiduddin	..	III	Private
776	Baliah	..	III	do
779	Muhammad Bashiruddin	..	Completed	do
780	A. V. Ram Rao	..	do	do
781	G. Venkat Reddy	..	do	do
792	Syed Anwar Ali	..	II	do
793	S. Abdul Rahim	..	III	do
795	Unkar Pershad	..	III	do
797	Habib Hasan	..	Completed	do
798	Ram Rao Deshpande	..	do	do
801	Syed Mahbub Ali	..	III	do
802	Fayyaz Husain Khan Arab	..	III	do
807	N. Ramchander Rao	..	III	do
810	Y. S. Patel	..	Completed	do
811	B. Narhar Rao	..	do	do
812	T. K. Pandu Rangan	..	do	do
813	Syed Mahmud Shah Qadri	..	do	do
814	Mir Karam Ali	..	do	do
815	Lal Muhammad	..	do	do
817	Syed Ismail	..	do	do
818	Muhammad Sultan Ahmad Siddiqi	..	do	do
819	Mirza Hasan Beg	..	do	do

Roll No.	Name	Class	School	Remarks
824	Mirza Mahmud Ali Beg	Completed	Private	
826	Hasanuddin Khan	do	do	
827	Lachhman Rao Athurkar	do	do	
828	Vishvanath	do	do	
829	Shiv Shankarish	do	do	
830	Rajender	do	do	
831	B. Yadgir Rao	do	do	
836	Syed Qasim (Munshi)	Passed	do	
838	Muhammad Qutubuddin	Completed	do	
839	Amir Muhammad Hanif	do	do	
840	Bashir Ahmad Siddiqi	do	do	
841	Syed Mahmud Ali Kazmi	do	do	
842	A. V. Ram Das	III	do	
844	Mirza Jafar Ali Beg	Completed	Osmania High School, Aurangabad	
847	Shaikh Inam Talib Jalnawi	do	Osmania High School, Jalna	
848	Lakshman Kamalkar	do	do	
850	Sri Rang	III	Osmania High School, Bir	
851	Pandit Babalgaonkar	III	do	
854	Muhammad Ataullah	Completed	Private	
857	Muhammad Sharfuddin Ansevi	do	do	
858	Ghulam Mustafa	do	do	
860	Venkat Rao Argoankar	III	Osmania High School, Gulbarga	
862	Mir Ahmad Ali Akbar	II	do	
867	K. Jan Muhammad	III	Osmania High School, Yadgir	
879	Bhim Das	Completed	Osmania High School, Raichur	
880	S. Hanumanth Achari	III	do	
884	Ranchan Rao Tekale Vashiker	III	Osmania High School, Latur	
888	Ramehander Hengey	II	Osmania High School, Osmanabad	
895	Ramehander Charuphalay	III	do	
896	Dada Rao Salunkay	III	do	

913	Narindar Dat	..	Completed	..
920	Govind Rao Bankar	..	II	do
931	Muhammad Abdul Hakim	..	Completed	do
932	Muhammad Qamruddin Ansari	..	do	do
933	Muhammad Jamaluddin	..	do	do
935	A. Hanmant Rao	..	do	do
936	Venayak Rao Alvandiker	..	do	do
938	K. Kishita Chari	..	do	do
939	B. Midranga Chari	..	do	do
943	Muhammad Abdul Rahman Timani (Munshi)	..	Passed	do
945	Syed Raza Husain	..	Completed	Osmania High School, Khammam
946	P. Venkatramanniah	..	do	do
947	Muhammad Moimuddin	..	III	Osmania High School, Jagtial
948	N. L. Kishen Rao	..	III	do
951	Yathukula Ram Kishen Rao	..	III	Private
955	P. Lakshmi Kantam	..	Completed	do
956	Ghulam Dastagir	..	III	do
959	Syed Mohiuddin Ali	..	Completed	do
960	Mirza Qasim Ali Beg	..	do	do
964	Jamshidji Atalia	..	do	do
968	Muhammad Ayub Ali Khan	..	II	Alexandria Jehangir High School, Bhopal
975	Syed Ghulam Abbas	..	III	do
976	Syed Masood Azam	..	III	do
977	Abdul Salam	..	III	do
981	Ram Pershad	..	III	do
982	Avadh Narayan	..	Completed	do
983	Bachatar Singh	..	do	do
984	Babu Lal Verma	..	do	do
986	Syed Abdul Bari	..	do	do
987	Syed Muhammad Mahdi Zaidi	..	III	Private
988	Yusuf Ali	..	II	do
		..	Completed	do

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Roll No.	Name	Class	School	Remarks
1064	M. Sifa Ram	I	Osmania High School, Warangal	
39	Syed Abdul Razzaq	III	Govt. City High School	
41	Shaikh Muhammad Ali Ansari	II	do	
43	Muhammad Faruq	III	do	
45	Malik Inayatullah	III	do	
47	Syed Mujtaba Hasan Razvi	III	do	
48	Shaikh Mahboob Ali	III	do	
49	Muhammad Abbas	III	do	
50	Ganhar Ali	III	do	
51	Muhammad Abdul Azim Khan Ghazi	III	do	
53	Mir Ahmad Ali	III	do	
54	Noor Muhammad	III	do	
57	Muhammad Abdul Jalil	II	do	
59	Mirza Mukarram Husain	III	do	
63	Anant	III	do	
64	Shanta Ram	III	do	
65	B. Sakha Ram Rao	II	do	
66	Shiv Ling Rao	II	do	
68	R. Bahdra Gri Rao	II	do	
69	P. Lakshmia	II	do	
72	Akbar Ali	III	do	
73	Muhammad Abdul Halim	III	do	
75	Abu Turab Muhammad	II	do	
79	Muhammad Aminuddin	II	do	
80	Muhammad Shankatullah	III	do	
81	Muhammad Khawja	III	do	
82	Mirza Ahmadullah Beg	III	do	
83	Muhammad Abdul Razzaq	III	do	



84	Muhammad Abdul Aziz	III	do
85	Muhammad Hameed Khan	II	do
87	Muhammad Abdul Rahman Siddiqi	II	do
89	Habibur Rahman Sharif	II	do
91	Syed Iftikhar Ahmad	II	do
92	Mahmud Husain	II	do
93	Muhammad Abdul Hameed	II	do
94	Muhammad Khan	II	do
96	Mahinderji	III	do
100	G. Srinivas Reddi	II	do
102	D. Radha Kishen Rao	II	do
103	M. Siva Ram Reddi	II	do
105	N. Shiv Lingappa	II	do
106	T. Y. Lakshmi Narsia	II	do
107	L. Srinivas Reddi	III	do
109	Aliya Izzatullah Beg	II	do
112	Shaikh Abdul Samad	II	do
121	Muhammad Abdul Waheed Siddiqi	II	do
123	Muhammad Muniruddin	II	do
124	Shah Muhammad Khalilur Rahman	III	do
126	Muhammad Abdul Alim	III	do
127	Muhammad Abdul Majid Faruqi	III	do
128	Shah Muhammad Mahbubur Rahman	III	do
130	Shaikh Mahboob	III	do
133	Syed Rahmatullah	II	do
140	Muhammad Waheed Khan	II	do
146	Muhammad Mazharuddin	II	do
147	Muhammad Ali	III	do
148	Muhammad Azimuddin	III	do
150	Hamid Ali Khan	II	do
152	Mahmud Khan	III	do
153	Syed Khawaja Moimuddin	II	do
154	Syed Abdul Latif Sarmast	II	do

Darul-Ulum High School

Roll No.	Name	Class	School	Remarks
155	Abdul Hameed	II	Darul-Ulum High School	
157	Muhammad Yusuf Khan	III	do	
158	Muhammad Abdul Wahab Khan	III	do	
161	Muhammad Abdul Razaq	III	do	
162	Husain Shujauddin Siddiqi	III	do	
163	Syed Qadir Badshah	II	do	
164	Mir Fazal Ali	II	do	
165	Muhammad Munavvar Ali Khan	III	do	
166	Syed Muhammad Ahmad Husain	II	do	
170	Muhammad Kifayat Ali Qadri	III	do	
173	Muhammad Chiragh Ali	II	do	
174	Muhammad Abdus Salam	III	do	
175	Ghulam Sarvar	II	do	
177	Salimuzzaman Khan	II	do	
179	Syed Nayyar Husain	III	do	
182	S. Malla Reddi	III	do	
183	Sobhanji Chitruji Kishvatkar	II	do	
186	T. A. Mallalia	II	do	
187	Muhammad Omar	Completed	do	
188	Mir Maqsood Ali	do	do	
190	Muhammad Hakeem Ahmad Faruqi	do	do	
191	Syed Rashiduddin	do	do	
195	Syed Qadir Pasha	II	do	
197	Muhammad Mazharul Haq	III	Nampalli High School	
198	Md. Vilayat Ali	III	do	
199	Syed Nazim Husain Tirmizi	III	do	
201	Narsihvan Rao Joshi	II	do	
203	K. Gopal Rao	II	do	
205	Muhammad Razaq Ali Khan	III	do	
206	Ghulam Ahmad Kohiri	II	do	

297	Mumtaz Ahmad Tahir	..	II	do
210	Ghulam Jilani Khan	..	III	do
213	Mir Yusuf Ali	..	III	do
214	Muhammad Fasihuddin Ahmad	..	III	do
215	Muhammad Waheeduddin Ahmad	..	III	do
218	Tulsi Ram	..	III	do
219	Narayan Rao Surude	..	II	do
220	Narayan Rao Chatgopakar	..	II	do
221	B. Venkat Reddi	..	II	do
222	A. Lakshmia	..	II	do
223	Syed Muhammad Mujtaba Musavi	..	III	do
233	Muhammad Hasan	..	III	do
237	Muhammad Ishaq	..	III	do
238	Syed Muslehuddin	..	II	do
239	Muhammad Alauddin Ghori	..	III	do
243	Qazi Syed Abdul Wahab	..	III	do
248	Syed Abdul Karim	..	III	do
249	Mirza Moineuddin Beg	..	II	do
250	Aga Md. Hasan	..	II	do
251	Mirza Md. Hosain	..	II	do
252	Ramchandar	..	III	do
253	Syed Muniruddin	..	II	do
255	Syed Abdul Karim	..	II	do
256	Mir Ahmad Ali Kazimi	..	III	do
257	Muhammad Abdul Haq	..	II	do
258	Qadir Ali	..	II	do
263	Syed Nasiruddin Ahmad	..	III	do
264	Muhammad Abdul Rashid Subhani	..	II	do
270	Syed Ishaq	..	II	do
277	Syed Abdul Azeem	..	III	do
279	Muhammad Arif Zubairi	..	III	do
281	Muhammad Sharfuddin Pasha	..	II	do
282	B. Dhanswami Naidu	..	III	do

Malakpet High School

Dar-ush-Shifa High School

Chanchalguda High School

No. Roll	Name	Class	School	Remarks
283	Muhammad Salimullah	Completed	Chanchalgunda High School	
290	M. Ranga Rao	II	Mahboobnagar High School	
295	M. Ramchandar Rao	III	do	
296	B. Baghvandar Rao	III	do	
299	Syed Shah Md. Qadhi	III	Bidar High School	
301	Syed Shah Habibuddin Qadri	III	do	
304	Syed Abid Hashumi	II	do	
305	Shaikh Hossain	III	do	
306	Ram Kishen Rao	III	do	
308	Digambar Rao Fotedar	III	do	
311	Basalingappa	III	do	
314	Kishen Rao	III	do	
317	Muhammad Abdul Qadir	II	do	
319	Muhammad Bahadur Hossain	II	do	
320	M. Muhammad Khawja Nasim	III	do	
321	Ram Kishen Rao	II	do	
322	Apparao Mahajan Odginker	III	do	
323	V. Govindrao Chauri	II	do	
324	Murlihar Kantikar	III	do	
325	Bhagvan Rao Pathak	II	do	
227	G. Govind Rao	Completed	do	
328	Syed Abdul Rahman	do	do	
329	B. Govind Rao	do	do	
332	Muhammad Abdul Hafeez	III	Medak High School	
334	D. Lakshmi Kant Rao	III	do	
336	Syed Mahboob Ali	III	do	
337	Siddiq Mohiuddin	III	do	
338	Muhammad Abdus Sami	III	do	
340	Muhammad Abdul Sattar	II	Nalgunda High School	
241	Ali bin Obad	II	do	

342	Muhammad Qadir Ali	..	II	do
343	Lal Muhammad	..	II	do
344	Pado Kottia	..	II	do
345	J. Lakshmi Narayan	..	II	do
346	P. Venkat Subba Rao	..	II	do
347	C. Venkat Ramrao	..	II	do
348	P. Venkat Apparao	..	II	do
349	B. Ranga Rao	..	II	do
350	Muhammad Sayeel Khan	..	II	do
351	Hafeezuddin Ahmad	..	II	do
352	Muhammad Rahmatullah	..	II	do
353	Ziauddin Ahmad	..	III	do
354	Muhammad Afzal Hossain	..	II	do
355	Muhammad Jalal	..	II	do
356	C. Venkat Ranga Rao	..	II	do
360	Iftekhhar Ahmad	..	II	Nirmal High School
361	Mahmud Hussain	..	II	do
362	Muhammad Rafuddin	..	II	do
364	Ramha	..	II	do
368	D. Narayan Rao	..	III	do
369	Narsimlu	..	III	do
370	Gunde Rao	..	Completed	do
371	Muhammad Abdul Qadir	..	do	do
372	Kishen Rao	..	do	do
373	Muhammad Abdul Rahman Siddiqi	..	III	Nizamabad High School
374	Muhammad Abdul Wahid	..	II	do
375	Muhammad Abdul Rashid	..	II	do
376	Syed Zahoor Ahmad Bukhari	..	II	do
377	K. Manigrao Mudholkar	..	II	do
378	Gunda Chari Sangumkar	..	III	do
379	Situ Madhorao Bodhankar	..	II	do
381	K. Shesha Chari	..	II	do
382	N. Krishna Murti	..	II	do

No. Roll No.	Name	Class	School	Remarks
383	Syed Ahmad Husain Hashimi	II	Nizamabad High School	
384	Krishna Reddi	III	do	
385	Pandu Rang Rao Joshi	II	do	
387	Ahmad Mohiuddin Siddiqi	Completed	do	
390	Narsing Rao	do	do	
399	Abbas Khan	III	Nanded High School	
394	Lakshmikanth Rao	III	do	
401	Y. Mohan Lal	III	do	
403	Shankar Rao	III	do	
404	Vilayat Ali Khan	III	do	
406	Guru Singh	Completed	do	
413	Osmani Begam	III	Girls High School, Machhlikaman	
433	Ghulam Md. Faruqi	III	Private	
435	Muhammad Iftekhar Hussain Siddiqi	III	do	
461	Gopal Rao	II	do	
465	Dasrao Yeshvant Rao Manjramkar	III	do	
472	V. Banchandra Reddi	II	do	
480	M. Rama Rao	III	do	
493	Muhammad Biazuddin Khan	III	do	
529	Akbaruddin Ansari	III	do	
557	Syed Mustafa Qadri	Completed	do	
572	Mir Mahmud Ali	do	do	
573	Mahmud Ali	do	do	
574	Muhammad Moimuddin	do	do	
585	Muhammad Abdu Subur	do	do	
601	Vishonath Rao	do	do	
609	Qazi Md. Ismail Siddiqi	do	do	
610	Muhammad Abdul Rashid	do	do	
611	Muhammad Qadir Mohiuddin	do	do	
612	Manik Rao	do	do	

613	D. Gopal Rao	..	do	do
615	Muhammad Mahmud Nizami	..	do	do
616	Mir Wajid Ali	..	do	do
617	M. Kishen Rao	..	do	do
620	Ahmad Abdul Karim Siddiqi	..	do	do
623	Mir Riyasat Ali	..	do	do
624	Salim bin Omar Bakalka	..	do	do
626	Muhammad Habibuddin	..	do	do
627	Syed Ghulam Zeinulabidin	..	do	do
635	Mir Ejaz Husain	..	do	do
636	T. Kishen Rao	..	do	do
648	P. Sundaria	..	do	do
650	B. Lakshi Narsia	..	do	do
658	Antia	..	do	do
661	Muhammad Abdul Rashid Quraishi	..	do	do
663	Muhammad Abdul Ghafur Haqqani	..	do	do
678	Kwaja Sultanuddin Ahmad	..	do	do
682	Syed Miskin Mohiuddin Husaini	..	do	do
686	Muhammad Tilavat Sharif	..	do	do
693	C. H. Anant Swami	..	do	do
697	Syed Ghulam Ghaus (Munshi)	..	do	do
698	Muhammad Azizuddin	..	do	do
699	Syed Fazlullah	..	do	do
702	S. Noorullah Ahmad	..	III	do
705	Shahabuddin Ahmad	..	III	do
712	Muhammad Iftekhar Ahmad	..	III	do
713	Syed Md. Asghar Husain Razvi	..	II	do
714	Ganga Dhar Vaide	..	II	do
715	Digambar Rao Pande Sivalkar	..	III	do
716	Kishen Aba Rao Anvikar	..	II	do
717	Kishen Sham Rao Belsare	..	III	do
720	Das Rao	..	III	do
721	Digambar Rao Kodande	..	III	do

Aurangabad High School

No. Roll	Name	Class	School	Remarks
722	Gopal Rao Bhale Rao	III	Aurangabad High School	
724	Syed Iqbal Husain	III		do
725	Muhammad Mujibulla Siddiqi	II		do
726	Muhammad Zaminuddin	III		do
730	Mir Yusuf Ali	III		do
733	Muhammad Sultan Salim Khan	II		do
734	Azizullah Khan	II		do
737	Dunia Nobahoke	II		do
738	Misri Lal	III		do
739	Ramchandar Rao Gajje	II		do
740	Gulab Chand	III	Parbhani High School	
743	Balvant Rao	III		do
748	Brijnath Rao	II		
749	Bhaskar	III		
758	Srinivas Baghopat	III		do
759	Srinivas Kesav Rao	III		do
761	Vinait Ram Lingappa	III		do
762	Turab Hydar	IV		do
763	Muhammad Shamsuddin	III		do
766	Gangadhar Purlikar Deshpandya	III		do
767	Gopal Kandlikar	II	do	
768	Digambar Deshpandya	II	do	
769	Manik Deshpande	II	do	
774	Narayan Devidas	Completed		
777	Amabadas Papu Rao	do		
781	Ganpat	do		
785	Muhammad Rauf Khan Shan	III	Jalna High School	do
793	Venkata Rao Kanale	II		do
794	Jagannath Kulkarni	III		do
795	Devides Salunavia			



797	Srikishen Gosavi	..	II	do
798	Nagnath Joshi	..	III	do
799	Dattre Mujim	..	II	do
802	Ganpat	..	III	do
803	Slunkar Dobhadkar	..	III	do
804	Amaldas Lakshman Rao Kohit	..	II	do
805	Devdas	..	II	do
807	Muhammad Ibrahim Jahnvi	..	Completed	do
810	Slesh Rao	..	III	Beed High School
811	Govind Rao	..	II	do
812	Muammad Zisul Haq	..	II	do
813	Muhammad Ghaus Muliuddin	..	III	do
814	Gopal Rao	..	III	do
815	Digambar Rao	..	II	do
821	Slunkar Balwant Rao	..	III	do
823	Lakshman	..	Completed	do
824	Babu Rao	..	do	do
843	Narhar Rao Deshpandya	..	do	do
849	Govind Rao	..	do	do
850	Syed Ijaz Husain	..	do	do
855	Muhammad Abdul Majid	..	III	Gulbarga High School
856	Muhammad Khwaja	..	III	do
857	Syed Ghulam Khwaja	..	II	do
858	Muhammad Mahbub Ali Ansari	..	II	do
859	Muammad Alauddin	..	III	do
860	Muhammad Yusuf Ali	..	II	do
862	Muhammad Jafar	..	III	do
863	Qazi Md. Hameeduddin	..	III	do
865	Muhammad Afzal	..	III	do
868	Shaikh Abdul Wahab	..	II	do
869	R. Babu Ram Dayal	..	II	do
871	Kamlakar Kothikar	..	II	do
872	Manak Rao B.	..	II	do

No. Roll	Name	Class	School	Remarks
873	Digambar Rao	II	Gulbarga High School	
876	G. Jay Rao	II	do	
877	V. S. Salimath	II	do	
888	G. Venkat Rao	III	do	
889	Muhammad Habibullah Sharif Zabih	III	do	
891	Syed Rashid Ahmad Ramz	II	do	
892	Muhammad Abdul Karim	III	do	
893	Muhammad Ismail	III	do	
894	Muhammad Abdul Qadir	II	do	
896	Husain Hashmatullah	III	do	
905	K. Srinavas Achari	III	do	
907	Dattatri Rao	II	do	
908	Gunde Rao	III	do	
909	Manik Rao Anna Rao	II	do	
910	S. Hanuman Rao	III	do	
911	Vir Bhadrappa	II	do	
914	Baghvendra Chari	II	do	
917	Muhammad Husain	Completed	do	
920	K. Dattatri Dikshit	III	Nautan Vidyal High School, Gulbarga	
926	Bapu Rao	III	do	
928	Pandu Ranga Baid	II	do	
920	Deva Rao	Completed	do	
932	Narsinhya Alwariker	do	do	
933	K. Raghvender Achari Kishitagikar	do	do	
934	K. Rama Chari	do	do	
937	Muhammad Jafar Ali Shahpuri	III	do	
938	K. Kishen Rao	II	Yadgir High School	
939	Muhammad Abdul Salam	II	do	
940	Muhammad Abdul Rahman Sagri	III	do	

942	Vir Bahadria Romal Halkartikar	..	II	do
943	Vijay Bhinsin Rao Sangavinkar	..	II	do
944	Jagannath Rao Chandarkikar	..	II	do
945	Muhammad Qasim Ali	..	Completed	do
947	P. Narsing Rao Vankal Kanti	..	III	Baichur High School
951	Ramehandar Rao Desai	..	II	do
952	Bangnath Achari	..	II	do
960	Syed Abdul Wajid Razvi	..	III	do
961	Ghulam Khaliq Nawaz	..	III	Latur High School
962	Syed Abdul Rahim Hashimi	..	III	do
963	Sham Rao	..	III	do
964	Nam Dev Rao	..	III	do
965	Manik Chand	..	II	do
966	Ram Ling Gurulkar	..	II	do
967	Muhammad Abdul Hamid Osmani	..	II	do
968	Muhammad Abdul Qadir	..	II	do
969	Vali Muhammad Khan	..	III	do
970	Srinivas Bhargay	..	II	do
971	Sampati	..	III	do
972	Govind Rao Halsurkar	..	III	do
980	Narhar Rao Joshi Ahamadpoorkar	..	Completed	do
981	Syed Basheeruddin	..	do	Osmanabad High School
990	Bhaskar Bhagvantrao Patki	..	III	do
995	Bhimrao Bagnath Rao	..	II	do
996	Shripat Gopinath Rao	..	III	do
1000	Harl Panth	..	II	do
1002	Dev Dat	..	Completed	do
1008	Kondopanth Kande	..	II	do
1026	Muhammad Ali	..	Completed	do
1034	D. Bagvender Rao	..	do	do
1041	Ram Krishna Chari	..	do	do
1043	Muhammad Miskin Siddiqi	..	III	Warangal High School
1046	Muhammad Abdul Ghani Niaz	..	III	do

No. Roll	Name	Class	School	Remarks
1047	Mohiuddin Khan	II	do	
1049	Bangraj Murtidhar Rao	II	do	
1050	P. Durgis	II	do	
1051	Syed Zahooruddin Ahmad	II	do	
1052	Ghulam Md. Sadruddin Mail	II	do	
1053	K. V. L. Narsihvan Rao	II	do	
1054	Sirajuddin Ahmad	II	do	
1055	Muhammad Abdul Rahman	III	do	
1056	Muhammad Jafar Chishti	III	do	
1057	Muhammad Jamaluddin	III	do	
1058	Muhammad Ghulam Mahmud Soofi	II	do	
1059	Syed Abdul Sattar Siddiqi	II	do	
1060	Syed Abbas Husain Razvi	II	do	
1061	Syed Ashfaq Husain Razvi	II	do	
1062	Shaikh Wadud Ahmad Qidwai	II	do	
1063	Syed Iqbal	II	do	
1065	G. Narayan Swami	II	do	
1067	L. Janardhan Reddi	II	do	
1068	K. Lakshman Rao	II	do	
1069	M. Lakshmia	III	do	
1070	P. Narayan Reddi	II	do	
1071	Syed Sarvar Ali	Completed	do	
1072	Khwaja Ahmad' Wali Hyder	do	do	
1073	Syed Inam Ghauri	do	do	
1078	Ghulam Jilani Ahmad	III	Mathwada High School	
1083	Sarvar Moaimuddin Ahmad	II	do	
1084	Syed Ghulam Nabi	II	do	
1087	Muhammad Saleh Moaimuddin	III	do	
1089	Timmaram Narsia	II	do	
1090	Muhammad Abdul Aziz	Completed	do	

1091	P. Virama	do	do
1092	Mahammad At-ful Sattar	do	do
1093	Muhammad Ahmad	III	Khammam High School
1094	Munza Mushraq Husain	III	do
1095	N. Narsia	II	do
1096	T. Sita Ram Rao	II	do
1097	K. Venkateshwar Rao	II	do
1102	M. Lakshmi Narayan Rao	III	do
1103	D. Venkateshwar Rao	II	do
1104	A. Gopal Kishen Rao	III	do
1105	M. Sita Ram Rao	II	do
1106	M. Ram Kishen Rao	III	do
1107	C. H. Lakshmi Narasim	Completed	do
1108	Syed Kasim Ghauri	II	Karimnagar High School
1109	Ghulam Jilani	II	do
1110	Muhammad Abdul Shukur	II	do
1111	Muhammad Abdul Ali	II	do
1112	Raghunath Rao	Completed	do
1113	Muhammad Abdul Qadlus	do	do
1115	Alexander	do	do
1116	Muhammad Ismail	II	Jagtlal High School
1117	Muhammad Istiaquddin	do	do
1118	Ravi Hanmanduloo	II	do
1119	M. Lakshmi Narhari	II	do
1120	D. Jagannath Rao	II	do
1121	D. Sheek Rao	II	do
1122	Ram Kishtia	III	do
1123	N. Rangia	III	do
1133	Alvar Ramparshad Rao	III	Private
1139	Muhammad Azhar Mahir	do	do
1141	G. Venkat Ramia	do	do
1143	Muhammad Abdul Ghafur	do	do
1147	Raja Lingam	do	do

No. Roll	Name	Class	School	Remarks
1149	Muhammad Moinuddin	Completed	Private	
1150	Dhampal Singh	do	do	
1151	Kanka Rajam	do	do	
1152	D. Gopal Reddi	do	do	
1154	Abdul Aziz Khan	III	Alexandria Jahangir High School	
1162	Syed Rashidul Hasan	II	Bhopal	
1163	Syed Siraj Ahmad	III	do	
1164	Muhammad Mushraq Ali Khan	II	do	
1165	Narbada, Parshad Srivastava	II	do	
1168	Anwar Ahmad Siddiqi	III	do	
1172	Syed Mohsin Raza	II	do	
1174	Syed Habibul Hasan	III	do	
1175	Syed Anwarul Hasan	III	do	
1177	Syed Mujtaba Hasan Jafari	III	do	
1178	Narbada Parshad	III	do	
1179	Nabi Ahmad Ansari	Completed	do	

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Roll	Name	Class	School	Remarks
1586	P. Gopal Rao	I	Osmania High School, Khammam	
1544	Shah Abdul Hai Qadiri	I	Osmania High School, Warangal	
118	Muhammad Abdul Hameed	I	Govt. City High School	
70	Hafiz Muhammad Mukhtar Ahmad Jilani	II	do	
71	Mirza Anwar Beg	II	do	
72	Syed Waluddin	II	do	
74	Syed Abdul Hameed	III	do	
77	Muhammad Abdul Rahim	II	do	
79	Qazi Musheeruddin	II	do	
80	Qazi Muhammad Shamsuddin Ansari	II	do	
83	Muhammad Shaikh Hyder	III	do	
86	Muhammad Abdul Waheed	II	do	
88	Mir Liaqat Ali	III	do	
90	Syed Muhammad Talib	II	do	
91	Shiv Nagappa	III	do	
92	Babu Rao Kalannoorikar	II	do	
93	Padit Rao Tadulkar	III	do	
94	Ambasdas Rao	II	do	
96	K. Lakshman Rao	III	do	
98	Muhammad Qutubuddin Ahmad	III	do	
100	Muhammad Ahmadullah	III	do	
101	Qadir Mohiuddin Ahmad	III	do	
102	Syed Ali Muhammad al Moosavi	II	do	
103	Sadramappa	II	do	
107	Wahidur Rahman Sharif	III	do	
108	Muhammad Khaliluddin Khan	III	do	
109	Muhammad Samiullah	III	do	

Roll No.	Name	Class	School	Remarks
110	Ahmad Habibuddin Haqqani	III	Govt. City High School	
112	Syed Muzaffar Hasan	II	do	
113	Muhammad Abdul Rashid	II	do	
115	Syed Yusuf	II	do	
117	Khwaja Md. Masihuddin Ahmad Qureshi	III	do	
120	Syed Hamid Husain	II	do	
121	Qa'im Husain	II	do	
122	Azhar Husain	II	do	
125	Muhammad Abdul Aziz	III	do	
129	Hakim Ali	II	do	
130	Kanuta Pershad	III	do	
131	Kishen Rao	II	do	
132	Nag Veeriah Gupta	II	do	
133	Srinavas Rao	II	do	
134	Sri Rang Rao	II	do	
135	Manik Rao	II	do	
136	B. Anant Reddy	II	do	
138	L. Rajeshwar	II	do	
140	K. Rajjeshwar Rao	II	do	
141	P. Padma Reddy	II	do	
142	C. V. Ram Rao	II	do	
143	Vijja Chari Hosurkar	II	do	
144	Sakha Ram Rao	II	do	
145	Govind Achari	II	do	
146	K. Ranga Reddy	III	do	
147	K. Narsihvan Rao	II	do	
149	N. Venkat Reddy	III	do	
150	Ram Lal	III	do	
152	Tatiah	III	do	
158	Abul Barkat Khwaja Hamiduddin	III	Osmania High School, Darul Uloom	



161	Muhammad Abdul Hafeez	..	II	do
164	Muhammad Moynuddin	..	II	do
165	Mir Habib Ali	..	III	do
166	Ghulam Mustafa Khan Yusufzai	..	II	do
167	Muhammad Neimuddin Siddiqi	..	II	do
170	Muhammad Abdul Rahman	..	III	do
171	Amjad Ali Khan Yusufzai	..	II	do
173	Muhammad Sirajuddin Siddiqi	..	III	do
174	Muhammad Sirajuddin Khan	..	II	do
175	Syed Mohiuddin Ali	..	II	do
176	Muhammad Azam Mohiuddin Siddiqi	..	III	do
177	Syed Mukhtaruddin	..	II	do
178	Muhammad Ghulam Ali	..	II	do
179	Muhammad Arifuddin	..	III	do
180	Syed Muzaffar Ali	..	II	do
184	Syed Abdul Basit	..	II	do
185	Muhammad Siddiq	..	III	do
187	Salim bin Ali	..	III	do
189	Syed Fakhruddin	..	III	do
191	Syed Muhammad Aklagur Rahman	..	II	do
192	Muhammad Ikramuddin	..	II	do
193	Muhammad Abdul Razaq	..	II	do
195	Muhammad Jafaruddin Khan	..	II	do
197	Muhammad Khwaja	..	III	do
198	Muhammad Wahiduddin Siddiqi	..	III	do
201	Khwaja Nizamuddin	..	II	do
202	Muhammad Shabbir Ali	..	II	do
203	Mustafa Ali Khan	..	II	do
204	Syed Muhammad Yunus	..	III	do
206	Muhammad Latifuddin Khan	..	III	do
208	Muhammad Abdul Ali	..	III	do
215	Mir Muhammad Husein Khan	..	III	do
216	Syed Abbas	..	III	do

Roll No.	Name	Class	School	Remarks
217	Muhamma3 Muzaffaruddin	III	Osmania High School, Darul Uloom	
218	Asaduddin Ahmad Siddiqi	III		do
219	Syed Muhammad Husain	III		do
221	Syed Abdul Qadir Qadiri	III		do
226	M. R. Bhoj Reddy	II		do
227	M. Ramloo	III		do
229	Dharum Singh	II		do
230	Pando Rangam	II		do
233	Madho Rao	III		do
235	Syed Fakhruddin Ahmad	III		do
236	Muhammad Abdul Ali Khan	II	Osmania High School, Nampalli	
237	Muhammad Jehangir	II		do
238	Muhammad Najmuddin	II		do
241	Muhammad Ismail	III		do
242	Muhammad Sultan	II		do
243	Muhammad Moinuddin Qureshi	II		do
244	Darood Sharif	III		do
245	Muhammad Moin Khan	II		do
246	Muhammad Abbas Salam Ansari	II		do
248	Muhammad Sibghatullah Khan	III		do
251	M. Ramchander	II	do	
252	M. Lakshmia	III	do	
253	S. Hanmant Rao	III	do	
254	Raj Malliah	III	do	
255	Ramchander Rao Joshi	III	do	
256	Muhammad Ghiasuddin Khan	II	do	
257	Syed Ahmad Shah Qadri	III	do	
259	Aminuddin Husain	III	do	
260	Muhammad Azamatullah Sharif	II	do	
261	Haji Muhammad Abdul Karim	III	do	

262	Syed Yusufuddin	..	III	do
263	Syed Tahir Husain	..	II	do
264	P. Narsiah	..	III	do
265	B. Jagannath Rao	..	II	do
267	Soureshwar Rao	..	II	do
268	Narayan Rao Jolkar	..	II	do
269	R. R. Balkrishna Reddy	..	II	do
270	K. Balkishen	..	III	do
271	M. Lakshmikanth Rao	..	II	do
272	A. Mulliah	..	II	do
273	Narayan Reddy	..	III	do
274	B. Gopal Kishitiah	..	II	do
276	Muhammad Saadat Ali	..	II	do
278	Muhammad Abdul Qadir	..	II	do
285	T. Gopal Aiyangar	..	II	do
287	Iftikharuddin Ahmad	..	III	do
288	Muhammad Khwaja	..	III	do
291	Mir Nazir Ali	..	III	do
292	Muhammad Khwaja	..	III	do
293	Syed Mubarak	..	II	do
296	Mir Muhammad Ali Ekzvi Moassir	..	do	do
297	Mir Fayyaz Ali	..	III	do
298	Muhammad Abdul Aziz	..	III	do
302	Ghulam Khwaja Moimuddin Jamil	..	II	do
303	Muhammad Abdul Karim	..	III	do
306	Syed Ali	..	III	do
307	Muhammad Ali Naiyar	..	II	do
308	Ahmad Abdul Rashid Qureshi	..	III	do
309	Asad Ali Mirza	..	II	do
311	Mir Iftikhar Ali	..	II	do
312	Muhammad Biazul Hasan	..	II	do
315	Syed Shah Alam	..	III	do
316	Muhammad Abdul Aziz	..	III	do

Asafia High School, Malakpet

Osmania High School, Chanchalguda

Roll No.	Name	Class	School	Remarks
321	Ganpat Rao	II	Osmania High School, Chanchalguda	
322	Muhammad Fiazur Rahman	Completed	do	
323	Muhammad Alimuddin Khan	do	do	
324	Syed Mahmud	do	do	
325	Mirza Mahmud Ali Beg	II	Anwarul Uloom High School Nampalli	
329	Syed Mubarezuddin Ahmad	II	do	
331	Bhujang Rao Laturkar	III	do	
333	Muhammad Abdul Latif	III	do	
334	Sartaaj Wali Khan	III	do	
335	Noor Muhammad	III	do	
337	Syed Karimullah	III	do	
338	Syed Abul Haseen	II	do	
339	Muhammad Abdul Hamid Khan	III	do	
341	Syed Nazeer Ali	Completed	Osmania High School, Mahboobnagar	
345	Syed Habibuddin	III	do	
359	D. Balkishen Rao	III	do	
362	A. Kishamma Chari	III	do	
365	T. Venkat Kishen Rao	III	do	
366	K. Shankariah	II	do	
369	Aziz Muhammad	II	do	
375	V. Srinavas Rao	II	do	
381	Muhammad Abdul Aziz	II	do	
386	Muhammad Hafeezuddin	Completed	Osmania High School, Bidar	
387	Muhammad Sharif	III	do	
398	Muhammad Shafiquddin Ahmad Fiza	II	do	
399	Kishappa Hanmantappa Mudegalkar	II	do	
404	Mirza Abdul Salam Beg Shaba	II	do	
405	Syed Shah Amirullah Husaini-ul-Bukhari	II	do	
407	Muhammad Abdul Hakim Qafyari	II	do	

409	Syed Hafizuddin	..	II	do
413	Syed Muhammad Yasir Jafari	..	III	do
414	Govind Rao	..	II	do
417	Shanker Rao	..	II	do
420	Arant Rao Parakkal	..	Completed	do
421	Narayana Rao	..	do	do
423	Shaikh Rasool	..	do	do
424	Muhammad Husnuuddin Imkan	..	do	do
425	Appa Rao Saksar	..	do	do
426	Shah Fatehulla Qadri	..	do	do
427	Muhammad Enayat Ali Khan	..	III	do
428	Syed Jalaluddin	..	III	do
432	Muhammad Abdus Samad Abbasi	..	III	do
433	Muhammad Zainal Abedin	..	II	do
436	Syed Abdul Rasheed Qureshi	..	II	do
440	Sri Ram Rao	..	II	do
442	Muhammad Noorullah Khan	..	II	do
448	Ghulam Dastagir	..	Completed	do
449	Muhammad Hafiz Ali	..	do	do
451	K. Venkiah	..	II	do
452	P. Ram Chander Rao	..	III	do
453	B. Rama Reddy	..	III	do
454	D. Srinivasloo	..	II	do
455	Ghulam Jilani Khan	..	II	do
456	Syed Maqbool	..	II	do
457	Syed Osman	..	II	do
458	Shaikh Mahboob	..	III	do
459	Shaikh Osman	..	II	do
460	Syed Abdul Alim	..	II	do
462	Muhammad Abdul Mannan	..	III	do
463	Muhammad Sherfuddin Khan	..	III	do
464	Muhammad Akbar Husain	..	III	do
465	T. Ramloo	..	II	do

Osmania High School, Medak

Osmania High School, Nalgonda

Roll No.	Name	Class	School	Remarks
466	B. Lachmappa	II	Osmania High School, Nalgonda	
469	Muhammad Waliuddin	III	Osmania High School, Nirmal	
470	Venkat Bhooma Reddy	II	do	
472	Muhammad Abdul Razaq	II	do	
473	Ram Kishen Shastri	II	do	
474	N. Govind Rao	II	do	
476	C. Ganga Ram	II	do	
478	Srihari	III	do	
479	Lakshmikanth Rao	Completed	do	
481	Syed Abdul Sattar Hashimi	do	do	
482	Muhammad Mahzarullah Beg	do	do	
485	Bashiruddin	II	Osmania High School, Nizamabad	
486	Mirza Osman Beg	III	do	
487	Muhammad Abdul Hameed Khan	III	do	
491	P. V. Bhooma Reddy	III	do	
499	B. Srinavasa Rao	III	do	
500	L. Ram Laxman	II	do	
501	Nago Rao Pitki	II	do	
502	Pandharinath Manathekar	II	do	
506	N. V. Hanmant Reddy	Completed	do	
517	Syed Nasir Ali	III	Osmania High School, Nanded	
530	Keshav Rao Govilgoankar Deshmukh	II	do	
534	Bhim Rao Khotikwar	III	do	
535	Bhagvan Rao Mali	III	do	
542	Govind Rao	III	do	
549	Ram Krishn Rao	Completed	do	
556	Zabra Sultana	II	University College for Women	
560	Syed Shahzadi Begam	Completed	do	
567	Zohra Begam	III	Women's High School, Machhlikaman	
570	Rudayya Banu Begam	Completed	do	

		Completed	Women's High School, Machhlikaman
573	Ahmad un Nissa Begam	do	do
564	Saadat un Nisa Begam	do	Private
597	M. Kankavali	do	do
628	Mir Bazar Ali	III	do
629	Salah bin Abdulla al Qaiti	II	do
661	Keshav Govind Jivlekar	III	do
665	Anurat Baba Rao Bhosle	II	do
723	Muhammad Mujibullah Khan	III	do
740	Muhammad Abdul Rahim	III	do
753	Muhammad Abdul Haq	II	do
763	Mirza Mustafa Beg	III	do
766	Muhammad Vazir Khan Durrani	II	do
767	Muhammad Bahimulla Farooqi	III	do
769	Muhammad Yasin Khan	III	do
770	Mir Mahmood Ali	III	do
773	Muhammad Jamal Sharif	II	do
774	Muhammad Sharfuddin Khan	III	do
782	Saeeda Bam Rao Kulkarni	III	do
790	V. Aiyangar	II	do
799	Muhammad Abdul Karim	Completed	do
801	Amir Ali Khan	do	do
806	Syed Muhammad Hyder Moosavi	do	do
807	Muhammad Khwaja Moinuddin	do	do
808	Blindjesen Rao	do	do
815	Shaikh Abdul Qadir	do	do
821	Sadashiv Rao Maljekar	do	do
827	P. Shankariah	do	do
829	Gurunath Rao Chatgopakar	do	do
836	A. Venkat Reddy	do	do
852	Muhammad Abdul Naim	do	do
872	A. Chinna Kesavaloo	do	do
884	Dhondurao	do	do
885	P. Jagannath Reddy	do	do

Roll No.	Name	Class	School	Remarks
904	Syed Basiruddin	Completed	Private	
908	Min Khwaja Arifuddin	do	do	
914	Muhammad Ibrahim	do	do	
915	Syed Yusuf	do	do	
920	Muhammad Abdul Jabbar	do	do	
924	Nasirau	do	do	
927	Mir Ahmad Ali	do	do	
932	Muhammad Abdus Sami	do	do	
933	Syed Muhammad Rariq Ashraf	do	do	
938	Muhammad Ghous	do	do	
939	Muhammad Habibuddin	do	do	
943	Ghulam Khwaja Moiruddin	do	do	
944	Muhammad Abdul Hai Usmani	do	do	
951	Muhammad Ibrahim	do	do	
956	Amariah	do	do	
959	K. Ramchander Reddy	do	do	
960	G. S. Eriah	do	do	
961	Syed Imaduddin (Maulvi)	passed	do	
962	Muhammad Abdul Alim	Completed	do	
967	Syed Khwaja Manzoor Ahmad	do	do	
969	Muhammad Yaqub Khan	do	do	
970	Muhammad Sarwar	do	do	
972	Muhammad Alibus Sattar	do	do	
974	Muhammad Usmanuddin Ahmad Siddiqi	do	do	
975	Muhammad Allah Bakhsh	do	do	
978	Muhammad Rafuddin	do	do	
979	Syed Ahmad Husain Qadri	do	do	
980	Muhammad Khwaja Mohiuddin	do	do	
981	Muhammad Daliluddin Siddiqi	do	do	
982	Muhammad Shahabuddin	do	do	



983	Muhammad Abdul Fattah Qureshi	..	do	do
984	Muhammad Abdullah Khan	..	do	do
985	M. Venkat Rao	..	do	do
987	Vinaik	..	do	do
989	Gunde Rao	..	do	do
990	K. Sita Ram Reddy	..	do	do
991	B. Ramaiah	..	do	do
992	Vinaik Rao Deshpandya Charthankar	..	do	do
1000	N. Vishwanath Rao Kulkarni	..	do	do
1001	Narayan Deshmukh	..	do	do
1006	Syed Yusufuddin Ali	..	do	do
1007	M. Srinavasa Chari	..	do	do
1008	Mir Zorawar Ali	..	do	do
1009	Muhammad Aslam	..	do	do
1011	P. Ram Reddy	..	do	do
1012	T. S. Shanker Rao	..	do	do
1013	Muhammad Mazhar-i-Haq	..	do	do
1014	Mir Ahmad Ali	..	do	do
1016	Syed Mohiuddin	..	do	do
1017	V. Raja Reddy	..	do	do
1018	Narayana Murti	..	do	do
1021	Muhammad Khairuddin Ahmad	..	do	do
1024	B. Aiknath Pershad	..	do	do
1028	Dattatre Rao Nirkar	..	do	do
1029	Purshotam Rao	..	do	do
1030	Syed Shah Ali Husaini	..	do	do
1031	Rokhab Chand	..	do	do
1036	Ibrahimuddin	..	do	do
1040	Muhammad Sirajullah Siddiqi	..	do	do
1042	Muhammad Khalilur Rahman Khan	..	do	do
1044	Muhammad Abdul Razzaq Moosa	..	do	do
1046	Ewaz bin Muhammad	..	do	do
1048	Iftikhar Ahmad	..	do	do

Osmania High School, Aurangabad

Roll No.	Name	Class	School	Remarks
1050	Muhammad Abdul Rahim Akhgarg	III	Osmania High School, Aurangabad	
1052	Syed Anjad Ali	II	do	
1053	Khawaja Habibur Rahman	III	do	
1060	Syed Hasanuddin	II	do	
1062	Pattatire Bhale	III	do	
1064	Rangnath	VI	do	
1067	Lakshman Rao Panday	II	do	
1070	Venkatesh Chaudhri	II	do	
1075	Kishen Rao Joolkar	II	do	
1079	Andhoth Raoji	II	do	
1087	Muhammad Aql Ali Khan	II	do	
1088	Syed Manzoor Ahmad	II	do	
1089	Muhammad Osman	III	do	
1091	Noor Muhammad	III	do	
1093	Syed Asadu Baqi Hashumi	III	do	
1094	Mubashshir Ahmad Qureshi	II	do	
1096	Muhammad Tajuddin	III	do	
1099	Syed Zain ul Abedin Mahdavi	III	do	
1100	Muhammad Ashrafuddin Ahmad	III	do	
1102	Muhammad Ashraf Ali Khan	III	do	
1108	Tiambak Dee	III	do	
1109	Gopal Singh	III	do	
1110	Digraul Agarwal	III	op	
1111	Manohar Rao Joshi	III	do	
1114	Pratap Rao Hayatnagarkar	II	do	
1115	Jagannath Rao Kulkarni	III	do	
1117	Bahann Das Rao Woodkulkar	II	do	
1124	Champat Rao Chandras	Completed	do	
1128	Muhammad Amin Khan Vijaypuri	do	do	
1130	Syed Badr Alam	do	do	

1132	Saleh	..	do	do	Osmania High School, Parbhani
1133	Nago Rao Deshpande	..	do	do	do
1134	Ramchander Joshi Bhokardankar	..	do	do	do
1137	Ghulam Mahmud Khan	..	II	do	do
1142	Mahiuddin	..	II	do	do
1145	Mahmud	..	III	do	do
1148	Muhammad Khurshed Alam Siddiqi	..	III	do	do
1156	Neelkanth Nandapurkar	..	II	do	do
1157	Keshav Deshpanday	..	II	do	do
1163	Sonaji Ashtikar	..	II	do	do
1165	Digambar Rao Latkar	..	II	do	do
1167	Sham Rao Pathrikar	..	III	do	do
1174	Vishnu Datar	..	III	do	do
1179	Shamba Parlikar	..	III	do	do
1180	Jewant Deval Gaonkar	..	II	do	do
1181	Brij Mohan	..	III	do	do
1186	Murlidhar	..	Completed	do	do
1188	Ahmad Nooruddin Farooqi	..	do	do	do
1189	Muhammad Salah	..	do	do	do
1191	Keshav Barband	..	do	do	do
1192	Muhammad Sadruddin	..	do	do	do
1193	Syed Moosa	..	do	do	do
1194	Shesh Rao	..	do	do	do
1195	Dinanath	..	do	do	do
1201	Syed Saadatulla Husaini	..	II	do	Osmania High School, Jalna
1205	Syed Muhammad Nasiruddin	..	III	do	do
1210	Shivram Dhoon	..	III	do	do
1216	Vishnudherkar	..	III	do	do
1217	Muhammad Matinuddin Siddiqi	..	III	do	do
1218	Abdul Qadir Sadiq	..	III	do	do
1220	Mirza Yasin Beg Yas	..	III	do	do
1222	H. V. Gopal	..	II	do	do
1223	B. K. Varad Raj	..	II	do	do

Roll No.	Name	Class	School	Remarks
1224	Narayan Polas	III	Osmania High School, Jalna	
1228	Ahmad Husain	Completed	do	
1230	Muhammad Ibrahim Ambari	do	do	
1232	Ahmad Moinuddin	III	Osmania High School, Bid	
1233	Ghulam Muhammad	III	do	
1236	Ranchander	III	do	
1241	Pandu Rang	II	do	
1245	Ganpat	III	do	
1246	Yishnu Tirambak	III	do	
1247	Keshari Lal	II	do	
1248	Bhal Chand	II	do	
1249	Jai Chand	II	do	
1252	Malakarjan	II	do	
1268	Dattatre Vias	Completed	Private	
1283	Vishwanath Kulkarni	do	do	
1284	Vaman Rao Pipalgankar	do	do	
1285	Muhammad Nawaz Khan	III	Osmania High School, Gulbarga	
1291	Muhammad Ghulam Moinuddin	III	do	
1292	Syed Abdul Ghaffar	II	do	
1294	Ghulam Ahmad	II	do	
1295	Muhammad Osman	II	do	
1296	Muhammad Abdul Rahim Chand	III	do	
1300	Kishen Singh	III	do	
1304	Venkob Rao	III	do	
1308	Saddiah	II	do	
1309	R. K. Joshi	II	do	
1311	Raghvender Rao	II	do	
1323	Muhammad Zakiuddin	II	do	
1324	Shaikh Hasan Manavi	III	do	
1326	Muhammad Mahboob Husain Jigarniyazi..	II	do	

1329	Raagnath	..	II	do
1330	Mul Reddy	..	III	do
1334	Syed Abdul Hafeez Haqqani	..	II	do
1335	Syed Muhammad Hashim	..	III	do
1336	Muhammad Chanda Husain	..	III	do
1338	Shaikh Mahboob	..	III	do
1343	Muhammad Faridullah	..	II	do
1344	Husain Azmatullah	..	III	do
1345	Syed Aqil Husain Zaidi	..	III	do
1347	Pampan Goda	..	III	do
1349	S. Narsing Rao	..	III	do
1351	Gunde Rao	..	II	do
1352	Narsihvan Chari	..	II	do
1353	Veerappa	..	II	do
1354	Venkob Achari	..	II	do
1355	Seshgiri Achari	..	II	do
1356	Chinna Reddy	..	II	do
1357	Garasutappa	..	II	do
1358	Shanker Rao	..	III	do
1361	Muhammad Abdul Hakeem	..	Completed	do
1362	Jagannath Rao	..	do	do
1364	Noorandappa	..	do	do
1366	Lachhman Rao Naik	..	do	do
1367	Muhammad Akbar Salahuddin	..	do	do
1368	Muhammad Husain Khan	..	do	do
1269	Mahmud Khan	..	do	do
1370	Syed Mahmud Husain Qadri	..	do	do
1372	Syed Iqbal Ahmad	..	do	do
1373	Syed Zahiruddin Husain	..	do	do
1284	Raagnath	..	III	do
1386	Pralhad Arvi Rao	..	II	do
1387	S. Krishna Chari	..	II	do
1390	Muhammad Nisar Husain	..	III	do

Nautan Vidyalay Gulburga

Roll No.	Name	Class	School	Remarks
1392	Narayan Achari	III	Nautan Vidyalay Gulburga	
1393	Manik Rao	Completed	do	
1394	D. Kishen Rao	do	do	
1395	Raghvender Achari Agni Hofri	do	do	
1396	Subba Chari	do	do	
1397	Manzur Ahmad Siddiqi	do	do	
1398	S. Dattatray Rao	do	do	
1399	Sham Rao	do	do	
1400	Raghvender Rao	do	do	
1402	Fazle Aleem Khan	II	Osmania High School, Yadgir	
1403	P. Rachappa	II	do	
1404	K. Kuppa Chari	III	do	
1405	G. Chanderappa	III	do	
1408	Muhammad Khwaja Madani	Completed	do	
1409	Muhammad Khwaja Husain	III	Osmania High School, Raichur	
1410	Mirza Sher Ali Beg	II	do	
1415	M. Kishen Rao	II	do	
1416	Syed Bashiruddin Ahmad	II	do	
1420	B. Narsingh Rao	do	do	
1423	Mir Hashim Ali	III	do	
1426	Raja Ram	Completed	do	
1428	Muhammad Abdul Saleem	do	Osmania High School, Latur	
1429	Syed Arshed Ahmad Qadri	II	do	
1433	Muhammad Abdul Rahman	II	do	
1434	Muhammad Khalil Ahmad	III	do	
1435	Syed Khurshid Ahmad	III	do	
1437	Earishchander	III	do	
1440	Bhup Rao	II	do	
1441	Rangnath Sabnavis	III	do	
1443	Pandit Rao	III	do	

1444	Kishen Rao Limbalkar	..	III	do	Osmania High School, Osmanabad
1445	Narayan	..	III	do	
1448	Narayan Rao Dhund Deo	..	III	do	
1449	Ram Rao	..	III	do	
1451	Shankar Rao Tothode	..	III	do	
1452	Sada Shev Rao	..	II	do	
1453	Muhammad Anvar Khan	..	II	do	
1455	Bhagvan Das	..	III	do	
1458	Muhammad Abdul Hameed Chishti	..	III	do	
1462	Vimal Nath	..	II	do	
1463	Babu	..	II	do	
1464	Bhanu Das Gunde Rao	..	II	do	
1465	Gurappa	..	III	do	
1466	Keshav	..	III	do	
1470	Shahu	..	II	do	
1472	Digambar	..	Completed	do	Private
1473	Balvant Rao	..	do	do	
1475	Gayno	..	do	do	
1477	Muhammad Ikramuddin Khan	..	do	do	
1478	Chintaman Degamber Rao Gouli	..	do	do	
1480	Dattatre Rao	..	III	do	
1486	Vankat Rao Kulkarni	..	III	do	
1489	Muhammad Sharfuddin Khan	..	Completed	do	
1497	Lakshman Achari	..	do	do	
1503	Muhammad Hasanath Ahmad Ansari	..	do	do	
1508	Keshappa	..	do	do	
1511	Syed Jafar Ali	..	do	do	
1512	Vishwanath Nagore	..	do	do	
1513	Muhammad Alimuddin Mojahid	..	do	do	
1516	C. Srinavasa Rao	..	do	do	
1517	Muhammad Khairat Ahmad Ansari	..	do	do	
1519	Muhammad Abdul Qadir	..	do	do	
1520	Muhammad Nazir Husain Siddiqi	..	do	do	

Roll No.	Name	Class	School	Remarks
1521	Muhammad Rahman Ghoori	III	Osmania High School, Warangal	
1522	Muhammad Abdus Samad	III	do	
1524	Syed Asrar Hussain Shahpuri	II	do	
1527	Muhammad Subhan Ali	II	do	
1530	N. Venkateshwar Rao	II	do	
1533	B. Narayan	II	do	
1535	D. B. Rama Reddy	II	do	
1536	M. Purshotam Rao	II	do	
1537	Muhammad Abdul Azim	II	do	
1538	Qazi Muhammad Bashiruddin	II	do	
1539	Syed Ibrahim	III	do	
1540	Muhammad Shahabuddin Ahmad	II	do	
1541	Muhammad Khwaja Habibullah	II	do	
1542	Muhammad Ahmad Mohiuddin	II	do	
1543	Muhammad Samiullah	II	do	
1546	D. Babu Rao	II	do	
1547	M. Ganpat Rao	II	do	
1548	V. Raghava Charya	III	do	
1549	V. Raghunath Rao	III	do	
1551	K. Ganga Dhai Rao	II	do	
1552	D. Ganpati Sharma	II	do	
1554	K. Devakar Rao	II	do	
1555	M. Sita Ram Rao	II	do	
1556	A. Govind Rao	II	do	
1558	J. Venkat Ramiah	III	do	
1559	V. dae Raj Manohar Rao	Completed	do	
1560	J. Ram Kishen Rao	II	Osmania High School, Mathwada	
1561	Ahmed Shari	III	do	
1562	Muhammad Ghaus	III	do	
1563	Muhammad Afzal	III	do	



1564	Muhammad Moimuddin	..	III	do
1566	M. Ratna Reddy	..	III	do
1567	V. Kishen Rao	..	II	do
1568	Muhammad Husain	..	II	do
1569	Khwaja Moimuddin	..	III	do
1570	Venkat Chelam	..	III	do
1571	Lakshmi Kant Rao	..	II	do
1572	K. Lakshmi Narayan	..	III	do
1573	Hannant Rao	..	II	do
1574	Khwaja Zahiruddin	..	Completed	do
1575	Syed Ahmad	..	do	do
1577	Muhammad Shamsuddin Khan	..	II	Osmania High School, Khammam
1579	K. Lakshmi Narsihvan Rao	..	II	do
1580	M. Narsihvan Chari	..	III	do
1581	Y. Veshvanadham	..	II	do
1582	M. Surya Narayan	..	II	do
1583	G. Sita Ram Reddy	..	II	do
1584	A. Rudha Krishna Rao	..	II	do
1585	T. Satya Narayan	..	II	do
1587	G. Venkateshwar Rao	..	II	do
1588	V. Sitaramcander Rao	..	II	do
1589	N. Mallesham	..	II	do
1590	Ram Murti	..	III	do
1592	Muhammad Ghiasuddin Ahmad	..	Completed	do
1594	Muhammad Abdul Latif Ansari	..	II	Osmania High School, Karimnagar
1595	Muhammad Masum Ali	..	II	do
1596	Muhammad Amjad Ali Siddiqi	..	II	do
1597	V. Seeniah	..	III	do
1598	S. Bhujati Reddy	..	II	do
1599	B. Raghvender Rao	..	III	do
1600	P. Narayan	..	II	do
1604	Muhammad Afzal	..	II	do
1605	B. Venkat Ram Narsiah	..	II	do

Roll No.	Name	Class	School	Remarks
1606	G. Narayan Singh	III	Osmania High School, Karimnagar	
1607	V. Nai Har Rao	II	do	
1608	Muhammadi Khmshed Ali	III	Osmania High School, Jagtial	
1609	Narayan Parshad	II	do	
1610	R. Jagpat Rao	II	do	
1611	G. Govind Rao	II	do	
1612	M. Venkat Ramloo	II	do	
1613	D. Ram Lakshman Rao	II	do	
1614	B. Chalpat Rao Naidu	II	do	
1615	M. Mur Hari	II	do	
1616	D. Lakshman Rao	Completed	do	
1617	Saikh Muslehuddin	do	do	
1618	Muhammad Abdul Ahad	do	do	
1628	K. Lakshmi Narsiah	III	Private	
1640	B. Raghvender Rao	Completed	do	
1645	A. Narsihvan Rao	do	do	
1647	Chuka Ganga Ram	do	do	
1648	T. Rama Chari	do	do	
1649	Tirva Rangan Rama Chary	do	do	
1650	Pindial Sita Ramiah	do	do	
1651	Mahammad Nurul Hasan	do	do	
1652	Syed Muheemad	III	Alexandar Jahangir High School, Bhopal	
1653	Abdul Hafeez Qureshi	II	do	
1654	Iftikhar Ahmad Qureshi	II	do	
1655	Muhammad Kifayatullah Khan	II	do	
1660	Muhammad Ali Khan	III	do	
1661	Muhammad Alam	II	do	
1662	Syed Abdul Qadeer	II	do	
1663	Abdul Rashid Khan	II	do	

1664	Amir Muhammad Khan	..	do
1665	Sundar Lal	..	do
1666	Muhammad Sulaiman Khan	..	do
1667	Anvar Hasan Ansari	..	do
1668	Syed Manzurul Haq	..	do
1669	Vishan Surup	..	do
1670	Syed Hasan	..	do
1671	Syed Irshad Ali	..	do
1672	Salahuddin	..	do
1673	Muhammad Ghutranul Haq Siddiqi	Completed	do
1674	Jamiluddin Khan	..	do
1675	Muhammad Khalilul Rahman	..	do
1676	Muhammad Abdul Matin Khan	..	do
1678	Rasheed Ahmad Abbasi	Completed	do
1679	Ram Surup Varma	..	do

## MATRICULATION EXAMINATION, 1346 F. (1937).

## FACULTY OF ARTS.

Roll No.	Name	Class	School	Remarks
1857	P. V. Naishwan Rao	I	Inter. College Warangal,	
1869	Goid Deshmukh	I	Osmania High School, Parbhani	
1913	Raj Reddy	I	Osmania High School, Karimnagar	
1890	T. Pulliah	I	Osmania High School, Khamman	
1891	N. Dasrath Ram Rao	I	Osmania High School, Khamman	
1902	Kirshen Gopal	I	Osmania High School, Karimnagar	
58	Nashuddin Ahmed	III	City High School	
60	Hyder Husan	III	do	
68	Fakhruddin	III	do	
69	Yusuf Ali	III	do	
74	Muhammad Moynuddin	III	do	
75	Syed Masood Ahmed	III	do	
83	Muhammad Sharfuddin Khan	III	do	
91	Syed Zakir Husain	II	do	
93	Hamid Ahmed	III	do	
106	Dhananjia	II	do	
107	Babu Rao Deshmukh	III	do	
108	Ram Kishen Rao Deshpande	II	do	
109	M. Gopal Reddy	II	do	
110	Shiv Pershad	II	do	
121	Syed Abdul Razzaq	II	do	
122	Khwaja Abdul Majid	III	do	
125	Mahboob Ali Khan	II	do	
130	Matik Ahmedullah	II	do	
131	Syed Ahmeduddin	III	do	
133	Syed Muhammad Askari	III	do	

136	T. Jaya Ramulu Gupta	III	do
139	P. Ram Reddy	II	do
140	K. Janardhan Reddy	II	do
142	T. Ramlu	II	do
143	Madan Lal	III	do
145	D. Rama Reddy	III	do
152	Mahammad 'Gaziuddin Khan	III	do
153	Muhammad Muniruddin Ahmed	III	do
161	Muhammad Abdul Samad	II	do
165	Muhammad Yusuf	III	do
170	Syed Khwaja Hamiduddin	II	do
176	Khwaja Moimuddin	II	do
178	Muhammad Abdul Rahim	II	do
179	Mir Moazzam Ali	III	do
180	Syed Salimuddin	III	do
182	Muhammad Mumtazuddin Khan	II	do
184	Syed Hasan Ali	III	do
186	Mirza Enayattullah Beg	III	do
187	Muhammad Abdul Ghani	III	do
188	Muhammad Abdul Rahman	III	do
189	Syed Zahiruddin	II	do
193	Muhammad bin Ali Bawahab	II	do
194	Abdulla bin Ahmed Ahmad bin Ali	III	do
195	Husain Ataullah Hashimi	II	do
198	Mir Masood Ali Khan	III	do
199	Muhammad Abdul Ghafur	II	do
202	Khwaja Ghulam Muhammad Qamar	II	do
203	Khwaja Moimuddin Khan	III	do
204	Mir Vizir Ali	II	do
205	Syed Abdul Karim	III	do
208	Syed Abdul Qadir Husaini Shahzor	II	do
209	Muhammad Sultanuddin	III	do
210	Khwaja Ashfaq Ahmed	III	do
211	Mir Dilawar Ali	III	do
212	Babu Lal Sangi	II	do

Osmania High School, Darul Uloom

Roll No.	Name	Class	School	Remarks
213	M. Arunayya Gupta	II	do	
214	Kanal Sudershan Rao	III	do	
215	M. Raghu Rao	II	do	
217	Syed Yusufuddin	Completed	do	
221	Ghulam Ghous	do	do	
222	Mirza Muhammad Mohsin	Completed	do	
225	Abdul Sattar Khan	do	do	
226	Syed Akbar Husain Razvi	II	Osmania High School, Nampalli	
231	Abul Kalam Md. Abdul Halim Siddiqi	II	do	
234	Muhammad Shahabuddin	III	do	
238	Syed Khwaja Aminuddin	II	do	
239	Ishaq Ali	III	do	
242	T. N. Sasha Chari	II	do	
243	Rajauna	II	do	
244	C. Gopal Reddy	III	do	
246	Shaikh Momuddin Medaki	III	do	
247	Syed Iqbal Husain	III	do	
248	Muhammad Ikram-ul-Haq Siddiqi	III	do	
250	Muhammad Abdul Alim	II	do	
252	Khawaja Ali Khan	II	do	
254	Muhammad Abdul Ghani	II	do	
260	Mirza Kazim Namazi	II	do	
262	Vishnu Rao Ghat Nandurkar	III	do	
263	Bhalchander Kalkankar	III	do	
264	P. Krishna Reddy	II	do	
265	Y. Hannant Reddy	II	do	
266	C. Narayan Reddy	II	do	
267	Bhimsin Rao	III	do	
268	Venkat Ram	II	do	
269	Sanker Rao Maniknagar	II	do	

270	Chandoo Lal Padiyalkar	III	do	
272	K. Balkishen	II	do	
273	V. Narsimloo	III	do	
275	Muhammad Wahiduddin	Completed	Dar-ush-Shifa High School.	
276	Syed Abdul Qader	III	do	
278	Abdul Qayyum	III	do	
280	Syed Jamaluddin	III	do	
282	Hafiz Mahmud Khan	III	do	
283	Muhammad Abdus Sattar	III	do	
285	Muhammad Rafiuddin Siddiqi	III	do	
286	Ahsan Ali Mirza	III	do	
287	Muhammad Sharif-ul-Mubin Biabani	III	do	
288	Alnuad Abdur Rashid Khan	III	do	
291	Syed Abdul Majied	II	do	
292	Muhammad Bashiruddin	III	do	
295	Malappa	III	do	
296	Abu Muhammad Siddiq Husain Mahajir	III	Osmania High School, Chanchalguda	
297	Syed Abbas Muhammad	II	do	
298	Muhammad Ibrahim	III	do	
302	Muhammad Tahir	III	do	
305	Muhammad Qasimuddin	III	do	
306	Muhammad Abdul Mannan	II	do	
307	Syed Jafar Husain	II	do	
308	Abdul Hamid Khan	III	do	
310	K. Ram Narshivan Reddy	III	do	
311	Bashiah	III	do	
313	Muhammad Qamar Ali Khan	Completed	do	
314	Ghulam Mahbub	do	Asafia High School, Malakpet	
315	Mir Vilayat Ali	III	do	
318	Muhammad Abdul Baqi	II	Anwarul Uloom High School	
322	Muhammad Abdul Ghaffar	II	Nampalli	
323	Muhammad Yusuf Faruqi	II	do	
324	Syed Abdul Razak	III	do	

Roll No.	Name	Class	School	Remarks
325	Hafiz Wahid Ali Alvi	III	do	
326	Syed Manzur Ahmad Madni	III	do	
333	N. Rajesham	III	do	
335	Khawaja Abdul Ghafure	III	do	
337	Syed Taqi Hasan	III	do	
338	Venkat Ranga Chary	III	Anwarul Uloom High School Nampalli	
339	K. Ram Rao	III	do	
341	N. Dharma Rao	III	do	
342	Digun Lal Agarwal	III	do	
344	Muhammad Abdul Rashid	Completed	do	
346	Muhammad Abdul Qadir	III	Osmania High School, Mahboobnagar	
347	Md. Ghulam Mohiuddin	III	do	
348	Syed Samiullah Husuni	III	do	
350	T. Pulla Reddy	II	do	
352	K. Gallannah	II	do	
353	Sallur Bangiah	II	do	
354	Syed Karimuddin	III	do	
355	Muhammad Abdul Rahman	III	do	
356	Muhammad Dastagir	II	do	
357	Syed Rafuddin	III	do	
358	Muhammad Abdul Jabbar	II	do	
359	Sita Rama Chary	III	do	
360	K. Venkat Rao	II	do	
361	R. S. Babu	II	do	
362	Ram Singh	III	do	
364	Krishmaya	III	do	
365	S. Gopal Reddy	II	do	
366	Narva Venkat Rao	II	do	
367	A. Lakshman Rao	II	do	



368	K. Srinivas Rao	..	Completed	do	do
370	Syed Shafuddin	..	do	do	do
371	M. Ram Reddy	..	III	do	do
373	P. Nirsahvan Swami	..	III	do	do
374	C. Srinivas Rao	..	III	do	do
376	Mir Muslehuddin Ali Akbar	..	III	do	do
379	Muhammad Shafiqat Husain Siddiqi	..	II	do	do
381	Ghulam Dastagir Qureshi	..	II	do	do
382	Muhammad Siddiq	..	II	do	do
384	Muhammad Mazhar Husain	..	II	do	do
385	Muhammad Abdul Rahman Chishti	..	III	do	do
386	Muhammad Abdul Hamid	..	III	do	do
387	Mirza Rahran Beg	..	III	do	do
388	Muhammad Mohiuddin Ali	..	III	do	do
389	Shaikh Abdul Qadir Jilani	..	III	do	do
390	Syed Mahmud Husain	..	III	do	do
391	A. Venkateshwar Rao	..	III	do	do
392	V. Ramanjiya	..	II	do	do
394	A. Ram Chandra Reddy	..	II	do	do
395	M. Venkateshwar Rao	..	II	do	do
396	B. Narsiah	..	III	do	do
598	T. Lingiah	..	II	do	do
399	Muhammad Shahid Ali	..	III	do	do
400	Muhammad Shamsuddin	..	II	do	do
401	Meran Mohiuddin	..	III	do	do
402	Muhammad Bhurianuddin	..	III	do	do
406	Ramchander Reddy	..	III	do	do
407	Makund Rao	..	III	do	do
408	Vinayak Rao	..	III	do	do
409	B. Kishen Rao	..	II	do	do
410	Bhimanna	..	II	do	do
411	Ram Rao	..	II	do	do
412	Ganesh Pershad	..	II	do	do
413	Kishitaiya	..	II	do	do

Roll No.	Name	Class	School	Remarks
415	Muhammad Nizaruddin Hasan Ansari	III	Osmania High School, Medak	
416	E. Venkateshwar Rao	II		do
418	Muhammad Dawood Khan	II		do
420	Muhammad Abdul Aziz	II		do
421	Moinuddin Hasan Nizami	III		do
422	M. Ramlu	II		do
423	R. Subramaniam	II		do
425	Muhammad Shabbir Ali	Completed		do
426	Ganga Reddy	do		do
427	Muhammad Ghulam Khwaja Ahmed	do		do
428	Muhammad Ahmedulla Khan	do	Osmania High School, Bidar	do
429	Muhammad Abdul Aziz	do		do
430	Muhammad Mahmood Ali	do		do
343	S. Rangaiya	do		do
439	Muhammad Abdul Aziz Faruqi	III		
440	Muhammad Khurshid Ahmed	III		
441	D. S. Kamtikar	III		
445	Mir Maqsood Ali	III		
456	Muhammad Abdul Qadir	Completed		
457	Ghulam Mohiuddin Rahmani	do	Osmania High School, Nizamabad	
458	Muhammad Nazir-ul-Haq Siddiqi Burhan	do		
460	Dhonde Rao	do		
461	Shunkrappa	do		
462	Shah Ahmed Pasha Qadri al Multani	do		
463	Syed Abdul Aziz	do		
469	Muhammad Aziz	III		
475	K. Purshotam Rao	II		do
497	A. Venkat Rao	III		do
481	D. Hanmant Rao	III		do
492	Syed Khwaja Abdul Aziz	III		do

501	K. Venkateshwar Rao	..	II	do
502	Narhar Rao	..	III	do
503	Lakshmi Kant	..	III	do
505	Manik Rao Koredookar	..	III	do
506	Ram Gopal Beddy	..	II	do
508	M. Ram Rao	..	III	do
512	Muhammad Yaqub	..	Completed	do
518	Abdul Wahid	..	II	Osmania High School, Nanded
529	Venayak Rao Sarjay	..	II	do
530	Balli Ram Kishen Rao Hombad	..	III	do
531	Dattatraya Padnawar Qandharkar	..	II	do
532	Narsingh Rao Qandharkar	..	II	do
533	Digambar Rao Mulkharkar	..	III	do
536	Mohammad Siddiq Shariff	..	III	do
537	Muhammad Miraj Ali Khan Yusuf Zai	..	III	do
538	Syed Alauddin Qadri	..	III	do
540	Bhagwan Venayak Rao Deshpande	..	III	do
544	Vasdev Rao Pardikar	..	Completed	do
545	Sham Rao Joshi	..	do	Osmania High School, Osmanabad
550	Muhammad Khan	..	III	do
551	Keshav Kokail	..	II	do
552	Madhukar Kothikar	..	III	do
553	Hari Kulkarni	..	III	do
554	Balbhini Hangay	..	II	do
557	Vaman Mandikar	..	III	do
559	Narayan Kulkarni	..	III	do
560	Pandit Rao Pathak	..	Completed	do
561	Muhammad Hayat Khan	..	do	University College for Women
566	Kazim Begam	..	III	do
567	Wahidunnisa Begam Siddiqi	..	III	Women's Training School, Balda.
576	Iqbal Begam	..	II	Osmania Girl's High School,
577	Mumtaz Begam	..	III	Machlikaman
585	Zahirunnisa Begam	..	Completed	do

Roll No.	Name	Class	College	Remarks
594	Janki Bai	III	Private	
623	Syed Ahmed	III	do	
648	Muhammad Wasi Ahmed	II	Private	
651	Shaikh Hyder	III	do	
657	Syed Siraj-ul-Huda Qadri	III	do	
659	Mir Ahmed Ali	III	do	
672	Mohammed Abdul Qadir Khan	III	do	
693	Wala Venkat Narshivan Rao	II	do	
760	M. Hari Das Vazirgaonkar	III	do	
772	Muhammad Abdul Rahim	II	do	
784	Mir Mahmood Ali	III	do	
785	Moin Ali	III	do	
791	Narshivan Reddy Vikankar	II	do	
794	Bala Pershad Sakseena	III	do	
797	Anand Rao Masada	III	do	
845	Gunda Rao Keshav Rao Parlikar	Completed	do	
857	Muhammad Abdul Bashid	do	do	
886	Muhammad Ashraf Husain	do	do	
912	Muhammad Muniruddin	do	do	
919	Syed Ahmed Ali Abu Talib	do	do	
920	Syed Mohiuddin	do	do	
949	K. Yalliah	do	do	
954	E. Raghupati	do	do	
958	Naganath Rao	do	do	
960	Vasudev Rao Joshi	do	do	
985	M. Nanaji Rao	do	do	
986	N. Chandraiya	do	do	
988	Ananta Chary	do	do	
994	Bama Chary	do	do	
996	Shaikh Muhammad Ismail Udgiri	do	do	

999	Syed Shabuddin Ahmed	..	do	do
1003	Ghulam Murtaza	..	do	do
1009	Santok Adhe	..	do	do
1015	Ghulam Fariduddin	..	do	do
1016	Muhammad Obedulla	..	do	do
1017	Ahmed Abdus Sayeed	..	do	do
1028	Muhammad Ismail	..	do	do
1032	Vithal Rao	..	do	do
1044	Muhammad Hayat	..	do	do
1045	Eyed Mir	..	do	do
1049	Dashrath Rao	..	do	do
1051	Emtiaz Ahmed Siddiqi	..	do	do
1052	Muhammad Rahimuddin	..	do	do
1058	K. M. Abdus Subhan	..	do	do
1078	Raja Ji	..	do	do
1079	Shankaraiya	..	do	do
1082	Bhagwan Singh	..	do	do
1083	Syed Muzaffar Ali Hashimi	..	do	do
1084	Nazir Husain Siddiqi	..	do	do
1085	Nadiruddin	..	do	do
1090	Mahbub Sharif	..	do	do
1091	Qazi Muhammad Hamiduddin	..	do	do
1094	Muhammad Sarwar	..	do	do
1095	Muhammad Yusufuddin Siddiqi	..	do	do
1096	Muhammad Abdul Jahl	..	do	do
1097	Habib Abdul Rahman	..	do	do
1100	Muhammad Abdur Rashid	..	do	do
1101	Abdul Qadir	..	do	do
1102	Syed Nisar Hasnain Naqvi	..	do	do
1105	Syed Waluddin	..	do	do
1106	Syed Alauddin	..	do	do
1107	Muhammad Ibrahim	..	do	do
1109	Syed Shah Khawaja Piran Husaini Amil..	..	do	do
1111	Muhammad Osman	..	do	do

Roll No.	Name	Class	College	Remarks
1115	Muhammad Nazir Ab Khan	do	do	
1116	Muhammad Yusuf Sharif	do	do	
1118	Syed Abdul Razzaq	Completed	Private	
1121	Muhammad Ahmad Husaini	do	do	
1123	Nilgiri Jalpat Bo	do	do	
1124	T. Jagannath Swami	do	do	
1125	Nagesh Rao Narvadkar	do	do	
1126	Srinivas Rao Joshi	do	do	
1128	Shaji Rao Tamburkar	do	do	
1129	R. Raghu Rao	do	do	
1130	B. Bagiah	do	do	
1131	Achut Rao	do	do	
1133	Narayan Rao Fardnavis	do	do	
1135	Anbadas Rao Joshi	do	do	
1137	Venket Narayan	do	do	
1139	Sud Ramiiah	do	do	
1140	Gopal Rao Patwari	do	do	
1143	Ranukadas Ballal Patwari	do	do	
1144	Digambar Rao	do	do	
1145	Keshev Rao	do	do	
1151	Gaupa Daya	do	do	
1155	Mir Mahboob Ali	do	do	
1156	Muhammad Moinuddin Siddiqi	do	do	
1157	Muhammad Abdul Karim Udgiri	do	do	
1158	Muhammad Aftab Ahmad Khan	do	do	
1159	Muhammad Abdul Majid Khan	do	do	
1162	C. Venkateshwar Rao	do	do	
1164	Shankar Sonaji Kulkarni	do	do	
1166	Syed Muhammad Habibullah	do	do	
1167	Muhammad Yusuf Ali Khan	do	do	

1168	Muhammad Abdul Razzaq	do	do
1169	Syed Sahib Hussini Qadri	do	do
1170	Muhammad Habibur Rahman Qureshi	do	do
1171	Mir Rasat Ali	do	do
1172	Muhammad Abdul Razzaq Siddiqi	do	do
1174	Abu Raza Muhammad Yusufuddin	do	do
1181	Srinvas Rao Purgol	do	do
1184	Naq Malliah	do	do
1185	Ganpat Rao	do	do
1188	Ahmad Abdul Wahab	do	do
1189	Muhammad Salafuddin	do	do
1190	Muhammad Abdul Naim	do	do
1191	Muhammad Abdul Aziz Ansari	do	do
1192	Syed Ismail	do	do
1193	Muhammad Amir Khan	do	do
1194	Muhammad Khawaja Khan	do	do
1195	Syed Ehsan Ahmad	do	do
1196	Ibrahim Khan	do	do
1197	Ram Chowdry	do	do
1198	Abdullah Bahai	II	do
1201	Mumtaz Ali Khan	II	do
1202	Aftaur Rahman	III	do
1206	Syed Khawaja Moinuddin	III	do
1208	Aliyooob Ahmad	II	do
1211	Muhammad Tamizuddin Siddiqi	III	do
1214	Syed Akhtar Abbas	II	do
1219	Mirza Ashraf Ali Beg	III	do
1221	Zahid Khan	II	do
1222	Kishen Rao	III	do
1226	Parbhakar Deshpande	II	do
1227	Dattatri M.	III	do
1228	Hamant Govind Rao Deshpande	II	do
1230	Ragunath B. Perturkar	III	do
1231	Luxman Rao Kulkarni	II	do

Osmania High School, Aurangabad

Roll No.	Name	Class	School	Remarks
1235	Kishen Rao Desh Pande	II	Osmania High School, Aurangabad	
1236	Goind Rao Tembe	..	do	
1237	Datatraya Joshi	II	do	
1238	Nilkantah Deshpande	III	do	
1239	Venkatesh Rao Deo	II	do	
1241	Kanhi Nath Trimbak Rao Natroodkar	III	do	
1243	Anant Kashi Nath Rao	II	do	
1244	Gopal Trimbak Rao Joshi	II	do	
1247	Md. Sadiq Badinuddin	II	do	
1248	Syed Ahmad Husain	III	do	
1249	Muhammad Abdul Wahab Shaug	III	do	
1250	Manhajuddin Ahmad	III	do	
1251	Mir Asghar Ali	III	do	
1254	Claudar Kanat Vede	II	do	
1255	Shinivas Kishen Rao Dashrath	II	do	
1256	Faqir Chand Baba Rao	II	do	
1257	Narayan Rao Mande	II	do	
1258	Devi Das	III	do	
1259	Babu Vishvanath Rao	II	do	
1262	Goind Rao Salegaonkar	II	do	
1264	Vishvanath Manjre	II	do	
1265	Kishen Luxman Rao	III	do	
1267	Vasudeo Lukshman Rao	II	do	
1268	Vasant Shanker Rao	II	do	
1269	Trimbak Rao Deshpande	II	do	
1273	Gangadhar Ghun	Completed	do	
1274	Parbhakar Shave	do	do	
1276	Muhammad Abdul Waris Shuttari	do	do	
1277	Syed Habibuddin Chinoy	do	do	
1278	Muhammad Abdul Razak	do	do	



1279	Iftakhar Husain Faruqi	..	do	do
1280	Tukaram Dabir	..	do	do
1281	Keshev Kulkarni	..	do	do
1286	Muhammad Aminuddin	..	II	Osmania High School, Jalna
1293	Dattari Balal	..	III	do
1304	Shanker Rao Pathak	..	III	do
1307	Banghath Gopal Rao Kangaonkar	..	III	do
1308	Uttam Renghe	..	III	do
1309	Magan Lal Sahn	..	III	do
1315	Hira Lal Surri	..	Completed	do
1318	Muhammad Abdul Karim	..	do	do
1319	Muhammad Ishaq	..	do	do
1320	Masud Ahmad Madni	..	do	do
1321	Someshwar Baniwale	..	do	do
1328	Mir Mahbub Ali	..	III	Osmania High School, Parbhani
1330	Muhammad Abdul Aziz Siddiqi	..	II	do
1339	Vasdeo Divalkar	..	III	do
1351	Anant Namde	..	III	do
1352	Dattatre Azdha Poorkar	..	III	do
1354	Vasdeo Kardukar	..	II	do
1355	Rajeshwar Vangikar	..	II	do
1361	Mir Moimuddin Ali Khan	..	II	do
1362	Ghulam Murtuza	..	III	do
1363	Muhammad Abdul Rahman Hingolvi	..	III	do
1365	Hari Her Aundhekar	..	II	do
1366	Gunpat Bengale	..	II	do
1367	Dattatre Bugay	..	III	do
1370	Gunpat Deshmukh	..	III	do
1371	Sakha Ram	..	II	do
1372	Shao Ram	..	II	do
1383	Shaikh Ali	..	Completed	do
1386	Mahbub Ahmad	..	do	do
1389	Muhammad Abdul Hamid	..	do	do
1390	Gunpat	..	do	do

Roll No.	Name	Class	School	Remarks
1391	Vishvanath Pawde	Completed	Osmania High School, Parbhani	
1395	Muhammad Mazharuddin	do	do	
1396	Mirza Ibrahim Beg	do	do	
1397	Digambar Jiturkar	do	do	
1398	Anant	do	do	
1402	Muhammad Misbahuddin	III	Osmania High School, Bid	
1403	Muhammad Jafar	II	do	
1414	Ram Kishen Theglay	III	do	
1415	Madhu Mankay	II	do	
1416	Sita Ram Mangraj	II	do	
1418	Anant Amlekar	II	do	
1419	Nagesh Patel	III	do	
1420	Tuka Ram Bhole	II	do	
1423	Syed Qaisar Ali	II	do	
1424	Abdul Sattar Khan	II	do	
1427	Muhammad Azizuddin	III	do	
1428	Muhammad Husain Qureshi	II	do	
1430	Nath Rao Kapse	III	do	
1431	Rafan Chand Sanchiti	II	do	
1432	Rao Saloo Gutkal	III	do	
1435	Raghuend Rao Tamne	II	do	
1436	Narayan Punikar	Completed	do	
1438	Ram Rao Deshmukh	do	do	
1439	Sada Sher Rao	do	do	
1441	Narayan Vijay	do	do	
1442	Vaman Mallatay	do	do	
1443	Ataur Rahman Khan	II	Osmania High School, Mominabad	
1446	Narayan	II	do	
1447	Madho Rao	III	do	
1449	Bashir Ahmad Khan Bashir	II	do	

1450	Muhammad Abdul Hamid	..	II	do
1453	Bhagvandas	..	III	Private (Aurangabad)
1456	Purgadas Rao Tulsi	..	III	do
1463	Chintaman Rao Joshi	..	III	do
1466	Hari Har Rao	..	III	do
1469	Narayan	..	III	do
1476	Muhammad Habibuddin	..	Completed	do
1484	T. Gopal Rao	..	do	do
1486	Lukshman Rao	..	do	do
1503	Mirza Omer Ali Beg	..	do	do
1505	Jagannath	..	do	do
1506	Kashi Nath	..	do	Private
1510	Dattatre	..	do	do
1512	Goinad Rao Deshmukh	..	do	do
1514	Muhammad Hafizuddin Siddiqi	..	do	do
1516	Muhammad Moimuddin Ali Khan	..	do	do
1520	Syed Abbas Ali Jafari	..	do	do
1521	Muhammad Zainuddin	..	do	do
1522	Muhammad Vezir Khan	..	do	do
1523	Maruti Rao	..	do	do
1525	Dattatreya Joshi	..	do	do
1528	Murlihar Rao Sontk	..	do	do
1532	Bashir Ahman	..	do	do
1535	Ansaf Ali Abbasi	..	do	do
1543	Muhammad Ataur Rahman Alvi	..	II	Gulbarga. Inter. College
1544	Muhammad Ashgar Ahmad Ansari Alandi	..	III	do
1552	Muhammad Khawaja Husain	..	III	do
1553	Mirza Hyder Beg	..	III	do
1554	Muhammad Abdul Aziz Mujahedi	..	II	do
1556	Muhammad Ibrahim Husain	..	II	do
1557	Budappa	..	II	do
1558	Syed Shamsuddin Ali Khan	..	II	do
1565	Visal Ahmad Alvi	..	II	do
1566	Ali Hasan	..	II	do

Roll No.	Name	Class	School	Remarks
1568	Muhammad Bahaudin Shahabadi	III	Galburga, Inter. College	
1573	K. Konappa	II	do	
1576	Kishen Rao Krulgi	III	do	
1577	K. Ramappa	III	do	
1578	B. Kishen Rao	III	do	
1579	Gardingappa	III	do	
1581	Surat Singh	II	do	
1582	Appa Rao	III	do	
1586	Mallappa Ifgikar	II	do	
1587	C. Ramechandar	III	do	
1591	Rameshwar Swamy Charvariah Math	II	do	
1594	Sangan Guda Patal	II	do	
1597	Chun Basappa Andolah	II	do	
1598	Manik Rao Gogi	II	do	
1600	Hafiz Muhammad Siddiq	III	do	
1605	Mahammad Idris Arkarvi	II	do	
1607	Muhammad Sultan	III	do	
1608	Muhammad Abdul Wahab	II	do	
1610	Muhammad Jahangir Ali	II	do	
1611	Muhammad Abdul Hamid	III	do	
1612	Husain Azmatullah	II	do	
1614	Revan Sadappa Madnalkar	III	do	
1615	K. Sad Ramappa	III	do	
1617	Vasant Rao	III	do	
1620	Sangappa	III	do	
1621	S. Vinsik Rao	II	do	
1622	Goidappa	II	do	
1623	M. Kotar Appah	II	do	
1624	Vishvanath	III	do	
1626	H. Raghuendar Rao	II	do	

1627	G. Tinappah	..	II	do
1642	Muhammad Abdul Rahim Timmapuri	..	Completed	do
1643	H. K. Joshi	..	do	do
1644	Sri Hari Rao Gorkar	..	do	do
1645	Mahmood Sharif	..	do	do
1646	Parmeshwar Rao Kati	..	do	do
1647	Chandu Lal Mangji	..	do	do
1650	Baso Baj	..	do	do
1651	Gir Rao	..	do	do
1654	Sheo Sharnappa	..	do	do
1655	Ram Chandar	..	do	do
1657	Muhammad Alimuddin Mujahid	..	III	do
1660	Mallappa Patel Alandkar	..	III	Nautan Vidayala Gulbarga
1661	Anna Rao	..	II	do
1664	Rama Chari Kamthanakar	..	II	do
1666	Eshvant Salvanke	..	II	do
1672	K. Krishna Chari	..	II	do
1676	Vira Bhadrappa Bandi	..	II	do
1678	Tippanna P.	..	III	do
1681	Sherappa Kalpse	..	III	do
1684	Bhimsin Rao Chitapurkar	..	Completed	do
1685	Syed Ali Ahmad	..	do	do
1686	Muhammad Hasanuddin	..	do	do
1687	Shashappa	..	do	do
1688	Sid Ramappa	..	do	do
1693	G. Ram Rao	..	III	Osmania High School, Raichur
1694	Srinivas Achari	..	II	do
1695	Muhammad Abdul Aziz	..	III	do
1698	Shadaksharappa	..	III	do
1700	Chodaman Singh	..	Completed	do
1701	Kasnee Chandu Lal Varma	..	do	do
1702	P. E. Kulkarni	..	do	do
1703	Abdullah Khan	..	II	Osmania High School, Latur
1709	Syed Azimuddin	..	III	do

Boll No.	Name	Class	School	Remarks
1715	Vithal Rao	III	Osmania High School, Latur	
1726	Bevan Sadappah	III	do	
1727	Bagvan Rao	II	do	
1729	Anna Rao	II	do	
1730	Rangnath Rao	II	do	
1731	Venkatesh Rao	III	do	
1733	Maruti Rao	III	do	
1734	Blaskar Rao Ueshpande	II	do	
1736	Kishen Rao	II	do	
1737	Vasant Rao	II	do	
1738	Digambar Rao	Completed	do	
1739	Achvat Rao	II	do	
1740	Asadullah	Completed	do	
1743	Ghulam Mahboob Dastapuri	II	Osmania High School, Yadgir	
1744	Abdul Karim Sagri	II	do	
1745	Syed Mahbub Sulshpeti	II	do	
1746	Khawaja Husain	II	do	
1750	Mahmood Husain	II	do	
1753	Muhammad Wahiduddin	II	do	
1757	Yanan Rao	III	do	
1758	Yankaji Jagtab	II	do	
1759	Dasarath	II	do	
1762	Muhammad Navaz	Completed	do	
1776	Mallappal	III	Private Gulburga	
1779	P. Ramchandra Reddy	III	do	
1794	Gursadapa Shatti	Completed	do	
1799	Hannat Rao	do	do	
1806	Syed Abul Qasim	do	do	
1807	Shaikh Mohiuddin	do	do	
1810	D. Srinivas Rao	do	do	

1811	Ram Rao Kishen Rao Kulkarni	..	do	do
1812	K. Profiah	..	do	do
1815	Kalian Rao	..	do	do
1819	Muhammad Abdul Rashid	..	II	do
1821	Muhammad Abdullah Qureshi	..	III	do
1828	Muhammad Sirajuddin	..	II	do
1829	Mirza Husain Beg	..	II	do
1830	Muhammad Bashiruddin	..	III	do
1833	Syed Badruddin Qadri	..	II	do
1835	S. Rajannah	..	III	do
1837	A. Satya Narayan Rao	..	II	do
1838	K. Janardhan Reddy	..	III	do
1839	R. Krishniah	..	III	do
1840	M. Krishna Reddy	..	III	do
1841	P. Malla Reddy	..	II	do
1842	M. Jagmohan Rall'y	..	III	do
1843	T. Raja Veeru	..	II	do
1845	K. Vard Raja	..	III	do
1849	Muhammad Yusuf	..	III	do
1850	Ghulam Jilani Salim	..	II	do
1851	Khavaja Abdul Rahman	..	II	do
1853	Muhammad Habibuddin	..	III	do
1855	Muhammad Aminuddin	..	III	do
1858	B. Satya Narayun Rao	..	II	do
1860	S. Sukha Ram	..	III	do
1861	Serindar Narayan Sinha Asthana	..	IV	do
1862	T. Sataya Narayun	..	II	do
1864	Ganga Dhar Rao	..	II	do
1869	Muhammad Osmanuddin	..	III	do
1871	D. Hari Prakesh Rao	..	II	do
1872	T. Chakrapani	..	II	do
1874	Akbar Ali	..	III	do
1875	V. Venkateshwarloo	..	II	do
1876	M. Sambha Siva Rao	..	II	do

Inter. College Warangal,

Osmania High School, Mathwada

Roll No.	Name	Class	School	Remarks
1877	Muhammad Dabiruddin Ahmad	Completed	Osmania High School, Mathwada	
1878	Syed Ali Raza	III	Osmania High School, Khanaman	
1880	Mirza Sajjad Ali Beg	II	do	
1881	Syed Abdul Mabud	II	do	
1883	B. Appa Rao	II	do	
1884	T. Narsihvan Rao	II	do	
1885	Muhammad Elias Khan	II	do	
1886	Syed Zawwar Husain	III	do	
1887	V. Baghva Rao	II	do	
1889	G. Ram Reddy	III	do	
1892	K. Subba Rao	II	do	
1893	V. Jagannadh Rao	II	do	
1894	D. Satya Narayan	II	do	
1896	Muhammad Afzal	III	Osmania High School, Karimnagar	
1897	Muhammad Abdul Hafiz	II	do	
1898	Muhammad Hamiduddin	II	do	
1899	Muhammad Azimuddin	III	do	
1900	Muhammad Abdul Rahman	III	do	
1901	Satya Narayan	II	do	
1904	C. Sed Anandam	II	do	
1905	L. Kotiah	II	do	
1908	Mahmood Ali	III	do	
1910	Ram Rao	II	do	
1914	Narayan Reddy	II	do	
1915	Muhammad Abdul Qadir Khan Siddiqi	Completed	do	
1916	Sardar Diva Singh	do	do	
1918	Sardar Khan Bawer	do	do	
1919	Muhammad Inam	II	Osmania High School, Jagtial	
1920	Mirza Wahid Beg	II	do	
1921	Syed Abdul Hamid	II	do	



1922	Muhammad Abdul Hamid	..	..	do
1923	C. H. Venkat Narsingrao	..	III	do
1924	D. Raj Gopal Rao	..	II	do
1925	Khawaja Zainuddin	..	II	do
1926	Muhammad Abdul Jalil	..	II	do
1927	Raja Narsimlu	..	II	do
1928	G. Lingiah	..	II	do
1966	M. V. Appa Rao	..	Completed	do
1967	Syed Abdul Jalil Husaini	..	do	do
1968	M. Raja	..	do	do
1969	D. Subba Rao	..	do	do
1970	Muhammad Abdul Qadir	..	do	do
1977	Syed Ali Hasan	..	III	do
Alexander Jahangir High School, Bhopal				
1976	Syed Asad Husain Yasti	..	III	do
1979	Muhammad Osman	..	III	do
1980	Muhammad Zamir	..	II	do
1981	Mirza Matin Ahmad Beg	..	II	do
1982	Abdul Wali Ansari	..	III	do
1985	Syed Yunus Husain	..	III	do
1987	Syed Muhammad Danial	..	III	do
1988	Muhammad Ismail	..	II	do
1993	Hamid Ali Khan Afghani	..	III	do
1994	Taufiq Muhammad Khan	..	II	do
1996	Prasram	..	III	do
2009	Muhammad Ruknuddin Ahmad	..	II	Private
2011	Saghir Muhammad Khan	..	Completed	do
2014	Zafrul Hasan Khan	..	do	do
2015	Masud Ali Khan	..	do	do

## INTERMEDIATE EXAMINATION, 1943 F.—[1934].

Roll No.	Name	Class	School	Remarks
136	Muhammad Maruf	I	City Intermediate College Intermediate College, Aurangabad Osmania University	
197	Bhujang Bao Kulkarni	I		
8	Muhammad Ahsan	III		
12	Muhammad Abdul Rashid	III		
13	Qazi Muhammad Abdul Bari	II		
20	Muhammad Qadiruddin Khan	III		
22	Muhammad Samiullah	II		
27	Abdus Saleem Khan	II		
30	Syed Abdul Qadeer	III		
32	Muhammad Badruddin	III		
33	Mir Enayat Ali	III		
44	Bam Kishen Rao Deshpandya	III		
53	Muhammad Latif-uz-Zaman	III		
60	M. Krishna Reddy	II		
69	Bhuma Rao	II		
70	Bhujan Rao Indorkar	III		
75	G. Malla Reddy	III		
79	T. Minekashi Pershad Mathur	III		
80	Vinayak Rao Deshpandya	III		
83	I. Gopal Rao	III		
84	Sambh Rao Santpur	III		
85	Qazi Rashed Ahmed	Completed		
87	Muhammad Sharifuddin	do		
94	Muhammad Abbas Khan	III		
96	Muhammad Abdul Ali	III		
97	Syed Almas Kabir	III		
106	Muhammad Moimuddin	Completed		
113	M. Srirang Rao	II		

118	Jamil Ahmed Faruqi	..	Completed	do	do
124	Muhammad Tajammul Ali Khan Faruqi	..	do	do	do
127	Muhammad Moinuddin	..	III	do	do
137	Muhammad Zafar Mohiuddin	..	II	City Inter. College	do
144	Mahmud Nawaz Khan	..	III	do	do
151	Syed Muhammad Mahmud	..	III	do	do
153	Narayan Pershad	..	II	do	do
155	K. Ram Chander Rao	..	II	do	do
160	K. Umapati Reddy	..	III	do	do
167	C. Airiah Mudiraj	..	II	do	do
170	G. Narsihvan Reddy	..	Completed	do	do
171	B. Kishen Rao	..	do	do	do
177	Guru Pershad	..	do	Ex-student,	do
180	P. Kishen Rao	..	III	do	do
184	Muhammad Junaid Ahmad	..	III	Aurangabad, Inter. College	do
188	Syed Muhammad Ali Abbasi	..	II	do	do
191	Muhammad Kalimullah Siddiqi	..	III	do	do
193	Dattatray Govind	..	II	do	do
195	Rannaik Lal Ishwar Das Kaparia	..	II	do	do
202	Muhammad Abdul Wali	..	III	do	do
203	Syed Muhammad Wali	..	Completed	Ex-student	do
206	Ahmad Mohiuddin	..	III	Warangal, Inter. College	do
208	Muhammad Salar Masood	..	III	do	do
213	C. Pulliah	..	II	do	do
215	V. Balanna	..	III	do	do
223	P. Seshagir Bao	..	Completed	do	do
224	Kondapaka Kankiah	..	III	do	do
227	Muhammad Mansur Ali	..	II	Gulbarga Inter. College	do
228	Naseem Ahmad Khan	..	II	do	do
230	Padmakar Kothikar	..	II	do	do
231	N. G. Kulkarni	..	III	do	do
235	Muhammad Abdul Wahid	..	Completed	Ex-student,	do
239	Ghafor Ahmad	..	do	Osmania University	do

Roll No.	Name	Class	School	Remarks
242	Muhammad Faruq Husain	II	Osmania University	
243	Syed Mohiuddin	III		do
244	Muhammad Ikramullah	II		do
246	Khwaja Ghiasuddin	III		do
247	Syed Akhtar Hasan	II		do
248	Muhammad Asifauq Husain Qureshi	II		do
250	Mirza Qudratullah Beg	do		do
257	Syed Abid Ali	III		do
260	Muhammad Azizur Rahman	III		do
261	Muhammad Muhammad Abdul Ghaffar	III		do
272	Muhammad Jameel Ahmad	III		do
277	Madiu Rao Nandedkar	III		do
280	Hannant Rao Manvkar	II		do
281	M. Raghavender Rao	III		do
283	V. Raghu Rao	II		do
285	B. V. Ram Rao	III		do
288	Debidas Rao Jolkar	III		do
295	Govind Rao Pawar	II		do
296	Shah Murtaza Qadri	II		do
298	Muhammad Qutubuddin	III		do
301	H. Bachofappa	II		do
309	Muhammad Abdullah Khan	Completed		do
310	Mirza Raza Ali Beg	do		do
311	Muhammad Abdul Rahim	do		do
315	Syed Ali Muhammad	do		do
317	Mir Liaqat Ali Razvi	do		do
318	Syed Amir Hasan Razvi	do		do
323	Ganga Ram	do		do
324	Muhammad Mahmud Ali	do		do
325	Muhammad Abdul Hai Khan	do		do

326	Syed Abu Abdullah	Completed	do
327	Syed Ahmad Razvi	II	do
328	Muhammad Siddiq Husain-ul-Faruqi	II	City College
329	Syed Isbaq	III	do
331	Asad Ali	III	do
334	Mohsin Ali	III	do
335	Mir Ashrafuddin Ali Khan	III	do
337	Muhammad Yunus Salim	III	do
340	Ahmad Mohsin	II	do
343	Mirza Sarfaraz Ali	II	do
347	Khawja Isa Ahmad	II	do
349	Syed Abdul Karim	II	do
355	Gopal Rao Apsangiker	III	do
356	V. Venkat Narsihvan Rao	III	do
372	Syed Ahmad Hussaini	Completed	do
374	Ahmad Abdul Aziz	do	Ex-student,
375	Mirza Zafrul Hasan	do	do
377	Syed Ashfaq Husain	II	Aurangabad, Inter. College
378	Mirza Ghulam Mahmud	III	do
380	Syed Muhammad Shujaat Ali Abbasi	III	do
382	Syed Muhammad Riazul Hasan Hashimi	II	do
383	Mahadev J. Tamne	II	do
384	Dattatri. Madho Rao	III	do
386	Renukadas A. Dhormale	II	do
387	Harihar Rao Deshpanday	II	do
390	Madho Moreghwar	II	do
402	Madho Ramkishan	Completed	do
403	Vasant Rao Dharwarkar	II	do
405	Muhammad Amir Ahmad	III	Warangal, Inter. College
407	Mirza Mohiuddin Beg	III	do
412	K. V. Bhopal Rao	III	do
413	Jamlapur Gagannath Rao	III	do
414	B. Gopal Mallesham	III	do

Roll No.	Name	Class	School	Remarks
418	Muhammad Amir	II	Gulburga, Inter. College	
419	Syed J'afar Husaini	III	do	
421	Bhimsen Rao	III	do	
422	Shama Chari	III	do	
430	Muhammad Wakil Ahmad Faruqi	Completed	Ex-student,	
431	Syed Mobin Ahmad	do	do	
435	Izzat-un-Nissa Begam	do	Ex-student O. U. College for Women	
440	Manik Rao Tappu	do	Private	

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Roll No.	Name	Class	School	Remarks
17	Muhammad Shafuiddin Khan	II	Osmania University	
18	Latifuddin Ahmad	III	do	
19	Muhammad Sayeedulla Khan	III	do	
20	Muhammad Sayeeduddin Ahmad	III	do	
24	Muhammad Maqsood Shah Khan	III	do	
27	Aziz Husain	II	do	
28	Khvaja Salabat Ali	II	do	
31	Syed Mahmud	II	do	
33	Muhammad Mumiruddin	III	do	
34	Syed Ghous Mohiuddin	III	do	
38	Muhammad Mukhtar Ahmad	III	do	
39	Muhammad Ghiasuddin Faruqi	II	do	
40	Abul Kalam Siddiqi	II	do	
44	Muhammad Anjad Ali	II	do	
48	Syed Abdul Waheed Razvi	II	do	
49	Muhammad Muzaifaruddin Khan	III	do	
54	Syed Abbas Hasan	III	do	
63	Saratam Rao Sar Deshpandya	III	do	
64	K. Ram Rao	III	do	
67	Rai Narayan Pershad Bhargava	III	do	
68	Syed Abdun Naim Ghazi	III	do	
70	Muhammad Abdul Hai	II	do	
76	Syed Hidayat Ali	II	do	
78	Muhammad Abdul Rahim Khan	III	do	
83	Syed Muhammad Abbas	III	do	
95	K. Achita Reddy	III	do	
101	Qazi Waheeduddin Ahmad	III	Ex-student,	

Roll No.	Name	Class	School	Remarks
106	Syed Aziuddin Ali	III	Ex-student, Osmania University	
109	B. Manik Lal	II	do	
110	Vasudev Rao	III	do	
113	Ram Kishen Rao Deshpandya	II	do	
114	Syed Aziz Husain	Completed	do	
127	R. Mahendra	III	do	
132	Dattatri Ram Rao Parvatkar	Completed	do	
145	Muhammad Fazlur Rahman Siddiqi	II	City Inter. College	
146	Habibullah	II	do	
148	Syed Khalil Muhammad	III	do	
150	Syed Abdul Rahim	II	do	
151	Zaheer Ahmad	III	do	
152	Muhammad Dilavar Khan Mehdi	III	do	
153	Syed Bahadur Ali	II	do	
155	Hasan Ali Mulla Abdul Husain	III	do	
163	K. V. Joga Reddi	III	do	
165	P. Sita Ram Rao	II	do	
166	A. Shanker Reddi	II	do	
167	Puljal Venkat Ram Narsihvan Rao	III	do	
173	G. Ranchander Rao	III	do	
178	Govind Rao Deshpande	II	do	
186	Habibuddin	III	do	
191	Syed Muhammad Hyder Baza Zaidi	III	do	
192	V. L. Chandraseker	III	do	
201	M. B. Omer	Completed	do	
203	Trimbak Rao Kulkarni	do	do	
204	Ambadas Rao Patvari	do	do	
207	Govind Rao Basmathar	II	Aurangabad, Inter. College	
209	Ambadas Rao Toke	II	do	
212	Shanker Rao Pamperkhetker	III	do	



215	Shahdev Godbole	..	II	do
216	Ram Rao Kale	..	II	do
225	B. Gopiah	..	III	Warangal Inter. College
227	T. Narayan Chari	..	III	do
228	R. Rameshchander Rao	..	III	do
234	D. Babu Rao	..	III	do
235	E. Monohar Rao	..	III	do
236	S. Ramnadhani	..	III	do
240	K. Raghava Reddi	..	III	do
234	Muhammad Abdul Qaiyum	..	II	Ex-student, Gulburga, Inter. College
245	Padamanabha	..	II	do
247	G. Hannant Achari	..	III	do
250	Batula Begam Razvi	..	III	Women's College
253	Marjorie Edmonds	..	III	do
254	Khairun Nisa Begam	..	Completed	do
255	Matilda Butt	..	do	do
256	Muhammad Mahmud Husain	..	II	Osmania University
268	Mr. Azizul Haq	..	III	do
273	Muhammad Omar	..	II	do
280	Muhammad Abul Faiz Sayeeduddin	..	III	do
282	Mir Najabat Ali Khan	..	III	do
283	Mirza Abdul Basit Beg	..	III	do
285	Syed Khwaja Moineddin	..	III	do
290	Muhammad Abdul Rahim	..	II	op
295	Muhammad Mahmood-uz-Zaman	..	III	do
297	Mir Abbas Ali Khan	..	II	do
308	M. Venkat Raman	..	III	do
312	Syed Afzal Husain	..	III	do
315	Indarkaran	..	III	do
316	T. Ghirdharehari	..	II	do
319	Rameshchander Rao Patvari	..	II	do
320	P. Gunda Chari	..	III	do
322	Dattatray Rao Deshmukh	..	II	do

Roll No.	Name	Class	School	Remarks
324	Balkrishan Anant Ekbote	III	Osmania University	
326	Bhalchander Rao Mahajan	II		
332	Mir Ikramuddin Ali Khan	Completed		
333	Mustansir Ali	do		
335	Muhammad Abdul Rasheed	do		
336	Syed Muhammad Hasani	do		
337	Ghaus Mohiuddin	do		
338	Iraj Shah K. Jisavalla	do		
339	Gangadhar Rao Kshirsagar	III		
340	Muhammad Khairuddin	III		
354	N. Tejappa	III	Ex-student, Osmania University	
361	M. Anant Rao	II		
362	P. V. Krishnamurti	III		
363	Syed Fariduddin Ali	Completed		
364	Muhammad Inayat Husain	do		
365	Muhammad Yusuf Ali Khan	do		
369	Sharfuddin Muhammad Abdul Qadir	do		
372	Syed Muhammad Sayeed-ul-Hasan	do		
373	Muhammad Isحاق	do		
378	Muhammad Rahmat Ali Himayun	do		
380	Muhammad Yusuf	do		
382	Muhammad Abdul Wahab	do		
383	Syed Shamsuddin Qadri	do		
384	Muhammad Rafuddin	do		
385	Syed Askar Ali	do		
386	Muhammad Ghulam Mo'inuddin Lashkari	do		
387	Muhammad Alam Khan	do		
388	Muhammad Nasir Ali	do		
389	Muhammad Mohiuddin	do		
393	J. Venkat Ram Rao	do		

394	L. Vira Reddi	..	do	do
395	D. Ramappa	..	do	do
396	D. R. Gopal Reddy	..	do	do
399	B. Sham Sunder	..	do	do
400	Gurubaksh Singh	..	do	do
401	Syed Alaudin	..	do	do
402	Syed Abdul Latif	..	do	do
403	Muhammad Haider	..	do	do
404	Muhammad Badruddin Husain	..	do	do
405	Muhammad Fazlullah	..	do	do
406	Latif-ul-Hasan	..	do	do
407	Muhammad Karamat Ali	..	do	do
408	Muhammad Khurshed Ali Khan	..	do	do
409	Muhammad Mujataba	..	do	do
410	Muhammad Qutubuddin	..	do	do
411	Syed Abul Fazl	..	do	do
413	G. Subba Rao	..	do	do
414	J. Ramapaty Rao	..	do	do
415	Dhonday Raj Maha	..	do	do
416	Balhim Rao Jakate	..	do	do
417	D. T. Bhooshanam	..	do	do
418	Lanka Vishvanadh Shastri	..	do	do
419	R. L. Narayan Rao	..	do	do
422	M. Venkateshwar Rao	..	do	do
423	Haniz Hasan Ahmad Minai	..	II	City Inter. College
429	Syed Yaqoob Husaini	..	II	do
430	Muhammad Akbaruddin Siddiqi	..	III	do
431	Muhammad Nasir Ali	..	II	do
435	Syed Muhammad Taqi Hashimi	..	II	do
440	Mahmood Husain	..	III	do
445	Amir Muhammad Hanif	..	III	do
451	Mirza Abdulla Beg	..	II	do
452	Ghulam Mohiuddin	..	III	do

Roll No.	Name	Class	School	Remarks
458	Muhammad Muzammil Siddiqi	III	City Inter. College	
460	Mirza Muhammad	III	do	
463	Babiah	III	do	
466	G. Ranga Charia	III	do	
469	S. M. Zakaria	III	do	
471	Mohiuddin Ali Khan	III	do	
472	Muhammad Jahangir	Completed	do	
473	Muhammad Ibrahim	do	do	
474	Fida Husain	do	do	
476	Qadir Khan	do	do	
480	Mir Zamin Ali	do	do	
487	Bashir Ahmad	do	do	Ex-student,
488	Muhammad Abdul Qaiyum	do	do	
489	Syed Ishaq	do	do	
490	Muhammad Riazuddin	do	do	
493	Kashi Rao Deshpandya	do	do	
496	Baghumath Rao	do	do	
497	Trimbak Rao	do	do	
499	Shaubhu Pershad Mehra	do	do	
500	Kishen Rao	do	do	
501	V. Malla Reddy	do	do	
502	Abul Fazl Muhammad Zakaria	do	do	
503	Khuraja Moimuddin Siddiqi	do	do	
504	Ghulam Mahboob	do	do	
505	Ghulam Omar	do	do	
506	Syed Nematullah Qadri	do	do	
507	Syed Muhammad Ahmad Ali Kazimi	do	do	
508	Mirza Mukhtaruddin Ahmad	do	do	
509	Muhammad Ghaus Mohiuddin	do	do	
510	Mir Ibrahim Ali	do	do	



Roll No.	Name	Class	School	Remarks
592	Muhammad Ibrahim	III	Gulburga, Inter. College	
594	Syed Shahid Hussain Bazaqi	III		
601	Syed Zahur Hyder	III		
602	Srinivas Vishnu Atigekar	II		
603	Virabhadriah Mallinath	III		
611	Lingan Gora	Completed		
612	Shaikh Abdul Rahman	do		Ex-student
614	Muhammad Abdul Hameed	do		
617	Ramchander Rao Dikshit	do		
618	Digambar Rao	do		
619	Ram Rao	do	Women's College	
620	Chandappa	do		
622	Zohra Khanum	II		
624	Tashim Sultan	II		

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Roll No.	Name	Class	School	Remarks
252	Soghra Saiyyada	I	Woman's College	
51	Narsihvan Rao	I	Osmania University	
12	Ahmad Abdul Razzaq	III	do	
13	Abul Khair Siddiqi	III	do	
14	Muhammad Abdul Hafeez Siddiqi	III	do	
16	Muhammad Abdul Qadir	III	do	
17	Syed Bashir Ahmad	III	do	
18	Muhammad Abdul Rasheed	III	do	
20	Walidullah Khan	II	do	
22	Ahmad bin Nasib	III	do	
24	Syed Fazlullah	II	do	
25	Muhammad Abdul Aziz Siddiqi	III	do	
26	Muhammad Kamaluddin Asghar	III	do	
27	Shah Abdul Ahad Yalga	III	do	
30	Muhammad Fateh Nasib Khan	II	do	
31	Allah Yar Khan	II	do	
32	Muhammad Reyazul Husain Qureshi	III	do	
36	Muhammad Jalaluddin Jafar	III	do	
37	Ghulam Ghaus Khan	III	do	
38	Syed Ziaul Haq	II	do	
40	Muhammad Wajihuddin	III	do	
43	Khwaja Abdul Ghafur	III	do	
44	Muhammad Masih-uz-Zaman	III	do	
45	Muhammad Abdul Latif Khan	III	do	
47	Mirza Shujaat Ali Beg	II	do	
49	P. Kishen Rao	II	do	
53	Madho Rao Korandkar	II	do	

Roll No.	Name	Class	School	Remarks
54	M. Premraj Mathur	III	Osmania University	
55	M. Chinna Reddy	II		do
56	Shanker Rao Podar	II		do
57	Kishen Narayan Waghray	II		do
58	Narsihvan Reddy	II		do
59	P. Srinivasa Rao	II		do
60	Sadasiv Rao	II		do
61	Saruram Venkat Reddy	III		do
62	Amrüt Narayan	II		do
63	Syed Ahmad	Completed		
64	Syed Yusufuddin	II	do	
65	Ghulam Ghaus	III	do	
66	Mansib Ali Khan	III	do	
67	Muhammad Hamiduddin	II	do	
68	Muhammad Shams-uz-Zaman Khan	III	do	
71	Syed Nizamuddin Ahmad	III	do	
74	Muhammad Zakiuddin	III	do	
75	Muhammad Murtaza Ali Khan Nagar	II	do	
78	D. Venkateshwarlu	III	do	
81	Tukka Rao	III	do	
82	S. Gopalan	II	do	
84	Nagbushnam	II	do	
86	Devidas Rao	III	do	
87	Jagannathi Rao Valvekar	III	do	
90	Muhammad Niamuddin Khan Subhani	III	Ex-student, Osmania University	
101	Mir Fazal Ali Zaidi	III		do
105	R. Singh	III		do
108	Syed Muhammad Qadri	Completed		do
109	Abdul Hafeez	do		do
112	Muhammad Sarfraz Husain Khan	III		do



114	Syed Kifayatullah	III	do	
122	Syed Namistullah	Completed	do	
130	Syed Abdul Baqi	III	City Inter. College	
132	Afzal Ahmad	II	do	
134	Muhammad Asadullah Sayeed	II	do	
138	Muhammad Shamsuddin	II	do	
139	Muhammad Abdul Rasheed	II	do	
145	Syed Muhammad Husain	II	do	
152	D. Gopal Reddy	II	do	
153	Erannah	III	do	
154	T. Gangadhar Rao	III	do	
155	K. Ranga Rao	III	do	
156	Vithla Chari Sangunal	III	do	
157	Bangiah	II	do	
158	Narayan Chari	II	do	
160	Basappa	III	do	
161	Bhogainder Rao Mutalik Medkanlal	II	do	
164	L. Venket Reddy	III	do	
174	Mirza Qasim Beg	III	do	
189	S. P. Ram Rao	III	do	
192	Suraj Narayan Singhi	Completed	do	
193	Huedana Chari	do	do	
194	Vithal Rao Varuthkar	do	do	
199	Syed Ishaq	II	Aurangabad Inter. College	
201	Abul Makram Muhammad Fahimuddin...	III	do	
208	Rai Jaswant Rai Ashtana	II	do	
209	Ganpat Mahdo Rao Basolay	III	do	
210	Vishwanath Parlad Rao Bishipathak	II	do	
211	Rai Mohan Rai Ashtana	III	do	
212	Syed Ghiasuddin Qadri	III	Warangal Inter. College	
214	Muhammad Fasihuddin Ahmad	III	do	
216	Murza Ahmad Beg	III	do	
217	Mohammad Sirajul Haq	III	do	

Boll No.	Name	Class	School	Remarks
219	Sardar Ali	III	Warangal Inter. College	
220	M. Ramappa	II	do	
221	K. Veeriah	II	do	
222	P. Venkat Ram Rao	II	do	
224	C. Ram Reddy	III	do	
225	D. Srinavas Rao	III	do	
227	M. Venkatswami	III	do	
228	M. Ramna Reddy	II	do	
229	Rajinder Narayan Ashtha	II	do	
230	C. Ganesh Singh	II	do	
234	J. Narasimham	II	do	
235	N. Baghulu	Completed	do	
236	Puljal Venkat Lakshma Rao	III	do	
237	Venkat Ram Narsihvan Rao	III	do	Ex-student
239	Muhammad Murtuza	III	Gulburga, Inter. College	
240	Syed Abdul Hameed Haqqani	II	do	
242	K. Basanna	II	do	
244	Ramkishan Popphay	III	do	
246	Vishnu	III	do	
247	Shinavas K.	III	do	
248	Narhar Dattatri Rao Kamtikar	III	do	
249	Qazi Kabir Ahmad	III	do	
251	Zahur-un-Nisa Begam	Completed	do	
253	Daras Lilavati Dutt	II	Women's College	
254	Kishen Bai	III	do	
255	Sharda Bai Rajanna	III	do	
256	Ummatul Hafiz Begam	III	do	
258	Stella Bott	II	do	
259	Syed Rashidul Hasan	II	Osmania University	
260	Muhammad Shamsuddin	III	do	

262	Syed Shafuddin	III	do
265	Mirza Burhanuddin Taimuri	II	do
270	Muhammad Ali Muhajir	III	do
272	Qamaruz-Zaman	II	do
273	Rasheed Ahmad	III	do
274	Syed Faqir Muhammad	II	do
275	Syed Abbas Husain Naqvi	II	do
278	Sahibzada, Mir Moinuddin Ali Khan	III	do
280	Muhammad Abdul Rasheed Siddiqi	III	do
281	Mir Mahbub Ali	III	do
284	Muhammad Tahir	III	do
287	Syed Muhammad Wajid Ali Khan	II	do
289	Y. Virappa Kashappa	II	do
290	Shanker Mohan Lal Mathur	III	do
292	Muhammad Zahiruddin Ansari	III	do
295	Mirza Irfan Ali Beg	III	do
296	Ahmad Siddiqi	III	do
298	Mir Anjad Ali Khan	III	do
301	Ahmad Husain	III	do
302	Syed Ahmad Nehri	III	do
303	B. Ram Lal Kishen	III	do
306	Muhammad Shamsuddin	III	do
307	Syed Abdul Aziz Biabani	III	do
308	Muhammad Ghous Sharif	III	do
312	Hamid Mohiuddin	III	do
313	Sayyid Muhammad Husain Bazvi	III	do
314	Riyasat Ali Mirza	III	do
315	J. Venkat B. Upadhiyae	III	do
316	B. Narsing Rao	III	do
317	Narayan Rao	III	do
318	Bala Pershad Shukl	III	do
319	C. Srinavas Rao	III	do
320	Aba Sahib Deshpanday	III	do

Roll No.	Name	Class	School	Remarks
322	Bamchander Naik	III	Osmania University	
323	Button Shah Sorabji	III		do
325	Mir Qasim Ali Razvi	Completed		do
327	Devidas Rao Mooramkar	II		do
328	Raghuvander Acharia	II		do
331	Venkatesh Rao Tilak	II		do
334	Kishen Rao	III		do
335	Syed Reza Mustafa Ali Razvi	Completed		do
336	Ahmad Shamsul Haq Haqqani	do		do
337	Mir Ashraf Ali Khan	do		do
339	Khursheed Ali Khan	do		do
342	Muhammad Ghiausuddin	III		do
344	Syed Ghiasuddin	III		do
345	Masood Yazdani	III		do
346	Muhammad Abdul Latif	III		do
348	Qazi Muhammad Abdul Karim	III		do
354	Narsihvan Chari	III		do
358	Muhammad Habibuddin	Completed		do
363	Govind Gopal Niralkar	III		do
365	Shanker Rao Pesolkar	Completed		do
366	Gopal Rao Rooplekar	do		do
367	M. Narsappa	II		do
368	S. Kishen Rao	Completed		do
369	M. V. Subba Rao	III		do
373	Muhammad Noorullah	Completed		do
374	Muhammad Yaqub Ali Khan	do		do
375	Ahmad Zein ul Abidin	do		do
376	Muhammad Sultan	do		do
377	Muhammad Moineuddin	do		do
378	Mahmud Ali	do		do



Roll No.	Name	Class	School	Remarks
426	Syed Ahmad	III	City Inter. College	
429	Syed Abdul Raheem	III	do	
430	Khwaaja Moinuddin	III	do	
433	B. Venkat Narhari	II	do	
434	Vishnupanth sar Deshpandya	III	do	
436	N. Bhoojiah	III	do	
437	Khande Rao	III	do	
439	Sridhar Rao Deshpande	III	do	
440	Dattatri Rao	II	do	
441	B. Srinavas Rao	II	do	Ex-student
445	Syed -Hameed Shuttari	III	do	
446	Muhammad Anwaruddin Ahmad	III	do	
447	Muhammad Ehsanuddin Khan	III	do	
449	Mir Sirajuddin, Ali Khan	III	do	
450	Aziz Ahmad Jilani	III	do	
451	Muhammad Nasir Ahmad Siddiqi	Completed	do	
453	Shah Abdul Samad Qadri-ul-Multani	III	do	
454	Muhammad Basharat Ali Khan	III	do	
455	Mirza Razzaq Beg	III	do	
457	Muhammad Habibullah	III	do	
458	Syed Ismail	III	do	
460	Syed Abbas Razvi Zaidi	III	do	
464	K. Prabhu Singh	III	do	
467	Muhammad Abdur Rab	Completed	do	
469	Syed Nizamuddin	do	do	
470	Muhammad Nisar Ahmad Siddiqi	do	do	
471	Muhammad Mukarram Husain	do	do	
472	Shafiqat Husain	do	do	
473	Mir Mohsin Ali Razvi	do	do	
474	Muhammad Muzafer Ali	do	do	

475	Shaikh Muhammad Khalilullah	..	do	do
477	Basharat Ahmad Razvi	..	do	do
478	Syed Mahdi Husain	..	do	do
479	Syed Qasim Ali	..	do	do
480	H. Syed Ali	..	do	do
481	Syed Ahmad Qadri	..	do	do
482	K. Janardhan Reddy	..	do	do
485	R. L. Manik Rao	..	do	do
486	Digamber Rao Natorkar	..	do	do
487	Bajrang Lal Srivastava	..	do	do
488	Muhammad Abdul Karim Siddiqi Shanim..	..	do	do
489	Syed Zahiruddin	..	III	Aurangabad Inter. College
490	Syed Fakhrul Hasan	..	II	do
491	Muhammad Latifuddin	..	II	do
494	Naymuddin Ahmad Siddiqi	..	III	do
495	Ghulam Mahub Khan	..	III	do
496	Syed Abbas Ali	..	II	do
497	Muhammad Bashiruddin Siddiqi	..	III	do
498	Mirza Muhammad Beg	..	III	do
499	Muhammad Qudiatullah Khan	..	II	do
500	Syed Muhammad Fazlur Rahman Jafai..	..	II	do
501	Muhammad Abdul Qadir Ambari	..	III	do
504	Muhammad Nurul Hasan Faruqi	..	III	do
505	Muhammad Saleh	..	III	do
506	Muhammad Abdul Waheed Siddiqi	..	III	do
507	Muhammad Abdul Wahid Osavi	..	III	do
508	Muhammad Fasihullah	..	III	do
510	Sita Ram Yarkerkar	..	III	do
511	Sita Ram Pathak	..	III	do
512	Manik Rai Gavaraskar	..	III	do
514	Venkat Rao	..	III	do
515	Kashinath Gangaram Chavrant	..	III	do
517	Narayan Rao Deshpande	..	III	do

Roll No.	Name	Class	School	Remarks
519	Uttam Rao	III	Aurangabad Inter. College	
521	Ranganath Kadam	III		do
522	Govind Rao Chowrawekar	III		do
523	Kishen Rao Wasrikar	III		do
525	Ramchander Rao Deehpanday	III		do
526	Bhal Chand Khalkar	II		do
527	Madho Rao Nimbhorkar	III		do
528	Mahmud Ali Khan Afghani	Completed		do
529	Ishaq Muhammad Khan Basmati	do		do
530	Mir Khursheed Ali	do		do
531	Shaikh Ikram Husain Siddiqi	do		do
539	Manohar Bakshi	III		do
541	Madho Kale	III		do
542	Sham Rao Sar Deshpande	III		do
543	Altaf Ilahi Khan	Completed		do
544	Purshotam Bhale	do		do
546	Siddiq Ahmad Khan	do		do
547	Muhammad Maqsood Khan	do		do
548	Bhaskar Bapat	do		do
549	Kashi Nath Molay	do		do
550	Jagannath Parmanand Molay	do		do
551	Srinivas Rao Dhongre	do		do
552	Narayan Rao Ujlamkar	do		do
553	Madho Nagesh Bhagvat	do		do
554	Muhammad Abdul Ali Khan	III	Warangal Inter. College	
555	Syed Sultan Mohiuddin Qadri Saifullah.	III		do
556	Syed Manzoor-ul-Mobin	III		do
557	Muhammad Abdul Kareem Asar	III		do
558	Syed Azizul Hasan Naqvi	III		do
559	Syed Raza Husain	III		do



561	Raghrender Achvat Rao Deshpanday	III	do
562	V. Raghupati Rao	III	do
563	B. Jai Sena	III	do
564	R. Vishvanath Rao	III	do
565	E. Venkateshwar Rao	II	do
566	Jamil Ahmad Khan	Completed	do
567	Muhammad Abdul Salam Akhtar	III	do
568	G. R. Narsiah	III	do
569	N. Satya Narayan	Completed	do
570	K. V. Ram Rao	do	do
571	G. Ram Narayan	do	do
572	Muhammad Habibuddin	do	do
573	V. Ram Kishore Rao	do	do
574	S. Venkateshwar Rao	do	do
575	Abdul Raheem	III	do
576	Muhammad Abdul Wahab	III	do
577	Gazi Muhammad Abdus Samad	II	do
378	Shaikh Mahbub Ali	II	do
579	Mir Mustafa Ali Akbar	III	do
582	Govind Rao	III	do
583	Vaman Rao	III	do
584	G. S. Harimat Gannal	III	do
589	T. Besvant Rao Belgondakar	III	do
591	Syed Abul Hamid	Completed	do
592	Syed Shabbir Husain	do	do
593	Shaikh Abdur Rahim	do	do
594	Muhammad Khaliluddin	do	do
596	Ambadas Rao Pathak	do	do
597	Kishen Rao	do	do
598	Syed Najmuddin	do	do
600	Hamidatur Rab	II	do
601	Sufia Begam	II	do
602	Shailavati	II	do

Ex-student

Gulbarga, Inter. College

Women's College

Roll No.	Name	Class	School	Remarks
603	Shahar Banu Razvi	...	Women's College	
605	Mahbub-un-Nissa Begam	III	Private	
606	Karim-un-Nissa Begam	II	do	
620	Shanker Singh Saddival	III	do	
623	Srinivas Bhat Raj Prohit	II	do	
625	Mir Rownaq Ali	Completed	do	
626	E. Krishniah	do	do	

## INTERMEDIATE EXAMINATION, 1946 F. (1937).

Roll No.	Name	Class	School	Remarks
535	Afsar-un-Nisa Begam	I	Woman's College	
9	Syed Ashfaq Hasan Razvi	II	Osmania University	
10	Muntaz Ahmad Tabir	III	do	
13	Syed Iftekhar Ahmad	II	do	
25	Muhammad Mahmood Ali Khan	III	do	
26	Muhammad Aziz-ur-Rahman	III	do	
27	Shaikh Abdul Wahab	III	do	
31	Syed Zahooruddin Ahmad	III	do	
33	Syed Athar Husain	II	do	
35	Muhammad Abdus Samad Qureshi	II	do	
36	Muhammad Fakhruddin Hasan	III	do	
37	Muhammad Masood Ahmad Khan	III	do	
39	Syed Muhammad Amjad Ali Khan	II	do	
46	Ahmad Mustaali	III	do	
51	Muhammad Omer Khan	III	do	
52	Ghulam Moideen	III	do	
55	Muhammad Abdur Rasheed Khan	III	do	
57	Mir Ahmad Ali	II	do	
59	Syed Turab Hyder Zaidi	III	do	
60	C. Sri Dharan	II	do	
61	M. Lakshmi Narhari	III	do	
62	Hari Pant Indurkar	III	do	
64	B. Venkat Reddy	II	do	
66	T. A. Mulliah	II	do	
67	M. Shivaram Reddy	II	do	
70	M. Lakshmi Narayan Verma	III	do	
74	Rai Brijnath Bhargav	II	do	
	Anant Rao Shirvadev	III	do	

Roll No.	Name	Class	School	Remarks
78	Munir Chand	III	Osmania University	
79	A. Vasudeorao	III		do
82	Heera Lal	II		do
83	Ganesh Pershad	III		do
84	Ghulam Zainulabedin	Completed		do
85	Muhammad Hafeezuddin Ahmad	III		do
88	Ali Ahmed Jamaluddin	III		do
91	Syed Nasiruddin Ahmad	III		do
94	Syed Shah Ali Husaini	II		do
104	Balkishen Balaji	II		do
105	D. L. Sri Ramloo	III		do
107	D. H. Desai	III		do
108	J. Shanker Rao	II		do
109	P. Narsiah	II		do
112	Shankar Raj	III		do
116	Chakunta Balkishen Rao	II		do
125	Muhammad Fiazuddin	Completed		do
129	Mir Abid Ali Khan	III		do
131	A. L. Narain	III		do
132	Ghulam Ahmad Khan Rashid	Completed		do
134	Sambhavo	do		do
135	K. Ramchandria	do		do
137	Muhammad Moineuddin	do		do
138	Zakuddin Ahmad Siddiqi	do		do
145	A. Dharmia Reddy	do		do
151	Muhammad Karimuddin	III		do
152	Muhammad Abdul Rahim	II		do
156	Muhammad Afzal Husain	II		do
157	Muhammad Abdul Salam	III		do
158	Hamid Ali Khan	III		do

159	Mirza Muhammad Ali Beg	..	III	do
165	Narain Rao Sarwade	..	II	do
166	Gopal Rao	..	III	do
167	Jagannath Rao Chanderkikar	..	III	do
169	A. Gurwa Reddy	..	II	do
173	B. Sukharam Rao	..	II	do
175	L. Vishvanat Rao	..	II	do
176	Harihar Rao Deshpande Sivalkar	..	II	do
177	Bumchander V. Bismatkar	..	II	do
178	Ramkushen Rao Mahajan Udgirkar	..	III	do
179	L. Srinivas Reddy	..	III	do
181	N. Ram Reddy	..	III	do
183	V. Narsihvan Chari	..	III	do
184	P. Gopal Rao	..	II	do
192	Muhammad Mazharuddin Siddiqi	..	III	do
193	Muhammad Hafiz Siddiqi	..	III	do
210	Syed Wazir Ali	..	Completed	do
211	Muhammad Esa Yafai	..	do	do
212	Syed Muhammad Mahdi	..	do	do
214	Muhammad Ali	..	do	do
215	Muhammad Rafiuddin	..	III	do
218	Azizullah Khan	..	II	do
219	Ahmed Dastagin	..	III	do
220	Sadasaib Devidas Rao Deshpande	..	III	do
221	Gangadhar Rao Deshpande Parlikar	..	III	do
222	Raghupat Rai Lakhpat Rai	..	II	do
224	Bhao Rao Dabhadkar	..	III	do
226	Shankar Rao Dabhadkar	..	III	do
227	Bamchander Rao Garje	..	II	do
229	Ram Rao Tuljaram Mahajan	..	III	do
229	Blasker Pundalik Rao Bakhshi	..	III	do
230	Dattatre Mahajan	..	II	do
239	Uttam Rao Deshpande	..	Completed	do
241	Sirajuddin Ahmed	..	II	do

Aurangabad Inter. College

Warangal Inter. College

Roll No.	Name	Class	School	Remarks
243	Mahboob Ali	III	Warangal Inter. College	
245	Syed Abbas Hasan Razvi	II	do	
246	Muhammad Hafizuddin Saqib	III	do	
247	Muhammad Ziaul Haq Siddiqi	III	do	
250	Syed Ismael	III	do	
253	D. Venkateshwar Rao	II	do	
254	M. Sita Ram	II	do	
255	L. Janardhan Reddy	II	do	
257	B. T. Badri Narayan	II	do	
259	V. Manohar Rao	II	do	
260	B. Anant Ramiah	III	do	
261	N. Narshwan Rao	III	do	
263	S. Sunder Murti	II	do	
264	Mirza Saif Ali Biag Mahdi	II	do	
265	Muhammad Abdul Karim Khan	III	do	
266	N. Periyallwar	III	do	Ex-student
268	Syed Khwaja Moinuddin	III	do	
272	Syed Iqbal Ahmed	III	do	
275	Anna Rao Madho Rao Shetkar Udgirkar	III	do	
279	M. Basappa	III	do	
289	Govind Rao Halsurkar	III	do	
292	Sirajunnisa Begam	III	do	
295	A. K. Hasina Begam	II	Women's College	
301	Mir Muhammad Naqi Bazvi	II	do	
308	Muhammad Iftikhar Hussin Siddiqi	III	Osmania University	
310	Muhammad Azimuddin	III	do	
312	Syed Durwesh Alam Qadri	II	do	
313	Muhammad Muslehuddin	III	do	
314	Rashiduddin Khan	III	do	
315	Syed Khwaja Burhanullah	III	do	

316	Ibrahim Sharif	III	do
317	Malik Safdar Husain	III	do
319	Muhammad Ismail Faruqi	III	do
320	Syed Muneeruddin Maghrabi	III	do
321	Mir Qadir Ali Khan	III	do
325	Syed Fasihuddin	III	do
326	Syed Abdul Karim	II	do
327	Khwaja Moimuddin	III	do
330	Syed Muhammad Husain	III	do
331	Khwaja Moimuddin Farooqi	III	do
332	Syed Baqar Raza Vasti	II	do
333	A. Abhimunia Rao	III	do
334	V. Ramchandra Reddy	III	do
338	Ramling Girvalker	III	do
339	M. Gurunath Rao	III	do
344	Akbar Husain Latif	II	do
345	Muhammad Atul Hameed Osmari	II	do
346	Ahmed Khan	III	do
348	Nagbhushan Halvi	II	do
348	Rukhsh Chaud	II	do
350	Kalkanti Venkat Rajeshwar Rao	III	do
361	Muhammad Bashiruddin	Completed	do
362	Syed Muhammad Asad Khan Bazvi	do	do
371	Syed Khalil	do	do
379	B. Duarna Rao	III	do
383	Devidas Rao Desapande	Completed	do
384	Karnati Somiah	III	do
385	A. Ramchander Reddy	III	do
389	Ghulam Masud Khan	Completed	do
392	Muhammad Taqi Barq	do	do
398	V. Parvatiiah	do	do
401	Shankar Rao Kulkarni	do	do
404	Shaik Muhammad Ali Ansari	II	do
406	Syed Shah Habibuddin Qadri	III	do

City Inter. College

Roll No.	Name	Class	School	Remarks
407	Shaik Abdus Samad Siddiqi	II	City Inter. College	
410	Mirza Moinuddin Beg	III	do	
412	Mirza Muhammad Husain	III	do	
414	Muhammad Mustafa Ali	II	do	
415	Muhammad Ishaquddin	II	do	
416	Muhammad Abbas	III	do	
417	Syed Muhammad Ahmad Husain	III	do	
418	Mir Fazl Ali	III	do	
422	Ahmad Moinuddin	III	do	
424	Mirza Malibool Ali Beg	III	do	
428	Muhammad Turab Ali Khan	III	do	
429	Akbar Ali	III	do	
430	Mir Kazim Ali Khan	III	do	
431	Das Rao Eshwant Rao Manjoramkar	III	do	
432	C. Ranga Reddy	III	do	
433	B. Ranga Rao	III	do	
434	J. Lakshmi Narayan	III	do	
436	B. Venkatesh Rao	III	do	
439	Bam Kishen Rao	III	do	
441	K. V. Rajeshwar Rao	III	do	
455	Kesho Rao Deshpande	III	do	Ex-student
456	Vishrambar Baghwan Rao Kulkarni Chakurkar	III	do	
463	Muhammad Abdul Ghani	Completed	do	
465	Mirza Moosa Raza Beg	do	do	
467	F. Sitaram Rao	do	do	
468	Venkat Krishna Beddy	do	do	
473	Syed Shamsuddin	do	do	
474	Syed Nurullah Ahmad	III	do	Aurangabad Inter. College
476	Syed Rashidul Hasan	II	do	



478	Muhammad Shamsuddin Faruqi	..	II	do
480	Muhammad Mujibullah Siddiqi	..	II	do
481	Gazi Ghulam Khaliq Nawaz Ausawi	..	III	do
482	Syed Abdul Wajid Bazvi	..	III	do
483	Bashrat Khan Durrani	..	III	do
484	Abdur Raouf Khan Shan	..	III	do
485	Syed Md. Asghar Husain Bazvi Doctor	..	III	do
486	Naguath Joshi	..	III	do
487	Narain Rao Desmukh	..	III	do
488	Kishen Rao Anniker	..	III	do
489	Vinaik Rao Mande	..	III	do
492	Ghulam Mustafa	..	III	do
495	Muhammad Abdur Rashid	..	III	do
496	Syed Basharatullah Ahmad	..	III	do
499	Muhammad Naseem	..	Completed	do
504	Akbaruddin Ansari	..	III	Warangal Inter. College
507	Muhammad Abdul Majid Forooqi	..	III	do
508	Muhammad Hafeezuddin	..	III	do
510	B. Abdur Rahim	..	III	do
511	Yali Muhammad	..	III	do
512	K. V. L. Narsihwan Rao	..	II	do
513	P. Durgiah	..	II	do
515	Muhammad Alauddin	..	III	Gulbarga, Inter. College
516	Syed Ghulam Khwaja	..	II	do
517	Muhammad Iftikhar Ahmad	..	III	do
519	Muhammad Abdus Sattar	..	III	do
521	Kishen Pershad	..	III	do
524	Deviki Nandan Rao	..	III	do
529	G. J. Rao	..	III	do
530	Mirza Muhammad Ali Baig	..	Completed	do
536	Shakira Begam	..	II	Women's College
537	Muntaz Jhan Begam	..	II	do
538	Abidun Nisa Begam	..	II	do
539	Haseena Mirza	..	II	Ex-student

Roll No.	Name	Class	School	Remarks
540	Bashirun Nisu Begum	Completed	do	
543	Syed Bashir Ahmad	II	Private	
565	Muhammad Abdullah	Completed	do	
566	Shaik Mahmood	do	do	
568	Muhammad Yusuf Hingolvi	do	Ex-student, Aurng. Inter. College	

## B. A. EXAMINATION 1343 F. (1934)

Roll No.	Name	Class	College	Remarks
25	Aziz Ahmad	I	Osmania University	
7	Syed Abdul Majeed Razvi	II	do	
9	Syed Abbas Ali	II	do	
13	C. Dalchand Sanghi	III	do	
14	Muhammad Abdul Rahman Sayeed Siddiqi	III	do	
16	A. Lakshmi Kant Rao	III	do	Ex-student
22	B. Lakshman Rao	II	do	
23	Hafiz Muhammad Safullah Qureshi	III	do	
24	Nawab Muhammad Zahiruddin Khan	III	do	
27	Makhdoom Mohiuddin	II	Osmania University	
29	Nurool Huda	II	do	
30	Muhammad Karimuddin	III	do	
31	Muhammad Ahmad Mohiuddin Siddiqi	III	do	
32	Abdul Khair Syed Ibrahim Husaini	III	do	
33	Syed Ali	II	do	
34	Ghulam Basool	III	do	
35	Muhammad Husain	II	do	
36	Yusuf Zaman Khan	II	do	
37	Shoeb Ahmad Abassi	II	do	
38	Muhammad Ghous	II	do	
40	Muhammad Davar Husain	II	do	
41	Muhammad Abid Hasan	II	do	
43	Muhammad Qamruddin Husain	II	do	
47	Muhammad Fakhruddin Ahmad	III	do	
48	Muhammad Mohiuddin	III	do	
49	Mir Zahid Ali Kamil	II	do	
50	Mohsin bin Shabbir	II	do	

Roll No.	Name	Class	College	Remarks
51	K. Venkat Ram Rao	III	Osmania University	
52	Trimbak Rao	III		
60	Syed Naqi Ali	II		
61	Muhammad Bashir Husain Siddiqi	III		
62	Muhammad Afzalur Rahman	III		
63	Nasiruddin Ahmad Siddiqi	III		
64	Syed Shah Md. Alam Nizamul Faruqi	III		
65	Muhammad Abdul Qaiyum	III		
66	Syed Mahmud	III		
67	Abun Nasar Muhammad Khalidi	III		
69	Azizur Rahman Khan	II		
70	Mir Shah Savar Ali	III		
74	Ram Chander Rao Despandya	III		
75	Syed Burhanuddin	III		
77	S. M. Chatgopakar	III		
79	Govid Parshad Goud	III		
80	M. Ram Singh	III		
82	B. Rang Rao	III		
84	Homi B. Patel	III		
85	Keshav Rao	III		
87	J. Tukka Rao	III		
89	Venkat Rao Jadhav	III		
90	Trimbak Rao Gangakhedker	III		
91	Pandit Rao Golane	III		
96	N. A. Sheesha Charya	III		
98	J. M. Subbiah	II		
99	Abdul Qadir Jilani	III		
101	Syed Abdul Halim	III		
103	Hareesh Chandar Heda	III		
108	Govind Rao Bhale	III		Ex-student

111	Khawaja Hameed Ahmad	..	III	do
116	Sat Narayan Rao	..	III	do
117	Ali Ahmad	..	III	do
118	Mir Qudrat Ali	..	III	do
119	Shaikh Adam	..	III	do
120	Muhammad Bashiruddin	..	III	do
126	Safiuddin	..	III	do
128	Muhammad Safullah	..	III	do
139	Abdul Hameed Khan	..	III	do
140	Salamat un Nissa Begam	..	III	Osmania Women's College
141	Syedali Zahra Begam	..	III	do
145	Abu Turab Muhammad Ahmad	..	III	Private
185	Muhammad Abdul Rasheed	..	III	do

## B. A. EXAMINATION 1344 F. (1935).

Roll No.	Name	Class	College	Remarks
63	Venkat Srinivas Rao	I	Osmania University	
14	Rajeshwar Rao	III		do
16	Syed Abul Fazl	II		do
17	Maqsood Ali Khan	II		do
20	Muhammad Abdul Hai Khan	III		do
21	Shah Abrar Ahmad	III		do
23	Syed Sikandar Ali	II		do
25	Ganga Dhar Rao Kashirsagar	III		do
26	Vasant Dharwarkar	II		do
28	M. V. Mahdo Rao	III		do
29	M. Venu Gopal Reddy	III		do
30	Muhammad Hafiz	III		do
31	Muhammad Abdul Hakeem	III		do
32	Muhammad Abdul Wahab	III		do
33	Syed Ahmad Razvi	III		do
37	Muhammad Ismail Jalil	III		do
39	Muhammad Abdul Aziz	III		do
40	Syed Muslim	III		do
42	Muhammad Rafiquddin Ahmad	III		do
45	Mirza Zafarul Hasan	III		do
49	Kundan Parshad Khanna	III		do
50	Khawaja Rasheeduddin	III		do
53	M. Ramchandrarao	III		do
54	Kumruj Eshwarachandar Vidia Sagar	II		do
55	Syed Abdus Samad Razvi	II		do
56	Rai Heraral Koticha	III		do
57	Govind Rao Khoptkar	III		do
58	Abdul Hameed Khan	II		do

59	Mazhar Ali Khan	..	III	do
61	D. V. Narsing Rao	..	III	do
62	Hareshchandar Ashthana	..	III	do
65	Muhammad Rasool Khan	..	Completed	do
74	Annaji Gohane	..	III	do
79	Muhammad Maulana	..	III	do
83	V. Muttam Rao	..	III	do
87	Muhammad Ali Khan	..	III	do
88	Bhagvan Rao Deshpandya	..	III	do
93	Moinuddin Ahmad	..	III	do
99	Sita Ram	..	III	do
102	Syed Ghulam Ahmad Husaini Razvi	..	Completed	do
104	Muhammad Fakhruddin Hasan	..	do	do
105	Syed Abdul Aziz	..	do	do
113	Muhammad Abdul Waheed	..	do	do
114	Mahammad Aziz Pasha	..	do	do
115	Muhammad Saleem Mohiuddin Siddiqi	..	do	do
116	Syed Shahinsha Husain	..	do	do
117	B. S. Mahadev	..	do	do
119	Jahan Bano Begam	..	III	do
120	Sadia Begam	..	III	do
121	Najnun Nisa Begam	..	III	do
123	Mirza Ali Naqi	..	III	do
124	Sardar Singh	..	II	do
131	Mahamad Ishaq	..	III	do
132	J. Ram Kishen Rao	..	III	do
135	Anjah	..	III	do

Osmania Women's College

Private

## B. A. EXAMINATION 1945 F. (1936)

Roll No.	Name	Class	College	Remarks
79	M. Bhuma Rao	I	Osmania University	
5	Syed Ahmad Husaini	II	do	
6	Syed Ishaq	II	do	
7	Ghaffur Ahmad Mujaddadi	II	do	
8	Muhammad Siddiq Husain Faruqi	II	do	
9	Ghulam Ghaus Ansari	III	do	
10	Mohsin Ali	III	do	
12	Muhammad Kanayat Ali	II	do	
13	Muhammad Yunus Saleem	II	do	
14	Syed Akhtar Hasan	II	do	
15	Muhammad Abdullah Khan	II	do	
16	Muhammad Faruq Husain	II	do	
17	Muhammad Ikramallah	II	do	
18	Sahibzada Mir Ashrafuddin Ali Khan	II	do	
19	Syed Ashfaq Husain	II	do	
20	Syed Mohiuddin	III	do	
21	Abdul Khaliq	III	do	
22	Muhammad Wakil Ahmad Faruqi	II	do	
23	Mirza Sarfraz Ali	II	do	
25	Hari Har Rao Despande	II	do	
26	Ramchandar Joshi	III	do	
27	Madho Rao Moreswar	III	do	
28	Devidas Rao Jolkar	III	do	
29	Madho Rao Samag	III	do	
31	V. Raghva Rao	III	do	
32	M. Venkateshwar Rao	III	do	
34	Syed Muhammad Raza Razvi	III	do	
36	Muhammad Abdul Ghaffar	III	do	



37	Syed Muhammad Murtuza	II	do
38	Mirza Mukhtaruddin Ahmad	II	do
39	Syed Muhammad Shujaat Ali Abbasi	II	do
40	Muhammad Amib	II	do
41	Syed Abdul Latif	II	do
42	Muhammad Jamil Ahmad Berni	III	do
44	Syed Abid Ali	III	do
46	Madho Rao Nandelker	III	do
48	Madho Janki Ram Tamne	II	do
49	Uma Shankar Rao Sankai	III	do
50	Syed Ali Muhammad	III	do
51	H. Rachotappa	III	do
52	Lakshmi Narayan Acharya	III	do
53	C. Murhar Rao	III	do
55	B. Gopal Mallesham	II	do
56	G. N. Bodhankar	III	do
57	V. B. Adikar	II	do
58	Gopal Rao Apsangikar	II	do
59	Syed Jafar Hussain	I	do
60	Khawja Isa Ahmad	II	do
61	M. Raghavendar Rao	II	do
62	Hannant Rao Manvikar Despandya	III	do
65	Muhammad Haider	II	do
66	Mir Liaquat Ali Razvi	III	do
67	Mirza Raza Ali Beg	III	do
68	Govind Rao Pawar	III	do
69	Girdhar Raj Saksena	II	do
70	Balbhim Rao Jakate	II	do
71	Ghulam Mahbub	III	do
72	Mir Ibrahim Ali	III	do
73	Muhammad Maroof	III	do
76	Latiful Hasan	III	do
77	V. Balanna	III	do

Roll No.	Name	Class	College	Remarks
78	Naryan Parshad	III	Osmania University	
84	Laxman Narayan Abhyankar	III		
87	Syed Moimuddin Shahbaz	III		
91	Muhammad Abul Qasim Kamil	III		
93	Shaharyar	III		
94	Narayan Rao Sarraf	II		
95	Sada Shev Rao	II		
96	B. Sitaram Achari	III		
98	Muhammad Karam Ali Khan	II		
101	Digambar Rao	III		
103	K. Uma Pati Rao	II		
111	Dhan Mohan Lal	Completed		
113	Dattatri Takalkar	do		
114	Muhammad Shababuddin	do		
115	Muhammad Abdul Jabbar	do		
116	Syed Abu Abdullah	do		
117	Muhammad Ismail Ali Khan Faruqi	do		
119	Manik Rao Tappa	III		
122	Muhammad Rahmatullah	III		
124	I. Ramo Rao	III		
127	Syed Muhammad Ali	III		
128	Khawaja Mahmud Ahmad Hussini	Completed		
129	Muhammad Abdul Salam	do		

## B. A. EXAMINATION, 1946 E. (1937).

Roll No.	Name	Class	School	Remarks
5	Hasan Ahmad Minai	II	Osmania University	
6	Muhammad Mahmood Husain	II		do
7	Muhammad Alam Khan	II		do
8	Syed Yaqub Husaini	II		do
10	Muhammad bin Omer	III		do
12	Amir Muhammad Hanif	II		do
13	Mirza Ali Husain Khan	III		do
14	Muhammad Azizur Rahman	III		do
16	Amir Ahmed Khan	II		do
17	Nazimuddin Ahmed	II		do
18	Syed Shahid Husain Razzaqi	II		do
20	Muhammad Omer Khan	II		do
21	Mirza Abdulla Beg	II		do
22	K. V. Bhopal Rao	III		do
23	V. Rama Rao	III		do
24	Jandapur Jagannath Rao Deshmukh	II		do
26	Mir Abbas Ali Khan	III		do
27	V. Venkat Narsihwan Rao	III		do
28	Dattatre Mahadev Rao Deshmukh	III		do
29	Dattatre	III		do
33	Mustansar Ali	III		do
34	P. S. Patel	III		do
40	Ramchander Rao Dikshit	III		do
41	Dattatre Rao Deshmukh	II		do
42	Sadasiv Rao Pande	III		do
43	Dattatre Ganpat Rao Deshpandya	III		do
44	Manohar Rao P. Deshpandya	III		do

Roll No.	Name	Class	School	Remarks
45	Balkrishen Anant Ekbote	III	do	
46	Ranchander Rao Patwari	II	do	
51	Syed Khalil Muhammad	III	do	
53	A. Shenkar Reddy	II	do	
55	Puljal Venkatram Narsihvan Rao	III	do	
56	V. C. Saker	III	do	
57	K. Achota Reddy	III	do	
58	Mir Azizul Haq	III	do	
60	Syed Muhammad Zakariya	III	do	
61	Muhammad Riazuddin	III	do	
63	Fida Husain	III	do	
65	Syed Muhammad Riazul Hasan Hashimi	II	do	
66	Muhammad Abdul Rahim	II	do	
67	Ghulam Mohiuddin	III	do	
68	Ghous Mohiuddin	III	do	
69	Abdul Basit Beg	III	do	
70	Syed Muhammad Yaqub	III	do	
71	Muhammad Mahood-uz-Zaman	III	do	
72	Mir Najabat Ali Khan	II	do	
73	Syed Muhammad Ahmad Sabzwari	II	do	
78	Muhammad Nasir Ali	II	do	
79	Muhammad Abul Faiz Sayeeduddin	II	do	
80	Syed Abdul Halim Husaini	III	do	
81	Muhammad Mozammel Siddiqi	III	do	
82	Syed Muhammad Taqi Hashimi	II	do	
84	L. S. Patel Linganguda	III	do	
86	Ram Rao	III	do	
87	Muhammad Enayat Husain	II	do	
88	Muhammad Baqar Faridi	III	do	
90	Syed Zahoor Hyder	III	do	

91	Srinivas Raghuverder Rao Patki	III	do
93	Manohar Rao Bedekar	III	do
94	Srinivas Rao Dhongary	III	do
107	Sar Deshpande Das Rao	III	do
109	Muhammad Latif-uz-Zaman Khan	III	do
117	Mirza Qudratullah Beg	Completed	Ex-student
118	Tasnim Sultan	II	Women's College
119	Zahira Khanam	II	do
120	Latif-un-Nissa Begum	II	Private
123	Muhammad Anjūl Ali Khan	III	do
126	Digru Ra Bhao Jhakray	II	do

## M. A. EXAMINATION, 1343 F. (1934).

Roll No.	Name	Class	School	Remarks
4	V. P. Venkatacharya	.. II	Osmania University	
M. A. FINAL EXAMINATION, 1343 F. (1934).				
1	Mir Abid Ali Khan	.. II	do	
2	Syed Ali Hasnain Razvi	.. II	do	
3	Mir Makhdoom Ali Khan	.. III	do	
4	Muhammad Kazim Raza	.. III	do	
M. A. EXAMINATION, 1344 F. (1935).				
4	Raghuandar Rao	.. I	Osmania University	
1	Muhammad Yahya Siddiqi	.. III	do	
M. A. FINAL EXAMINATION, 1344 F. (1935).				
1	Ghulam Muhammad Khan	.. III	Osmania University	
2	Muhammad Azam Khan	.. II	do	
3	Mir Saadat Ali Razvi	.. II	do	
4	Mir Hasn	.. II	do	
M. A. EXAMINATION, 1345 F. (1936).				
3	Thanyala Rama Chary	.. III	Osmania University	
M. A. FINAL EXAMINATION, 1345 F. (1936).				
1	Makhdoom Mohiuddin	.. II	Osmania University	
2	Mirza Mehammad Ali	.. III	do	
3	Balbir Parshad Bhatnagar	.. II	do	
4	Syed Ali Shakir	.. II	do	

5	Safuddin	..	I		do
6	Abu Nasr Muhammad Khalidi	..	II		do
7	Vankat Rao Jadhav	..	III		do
M. A. EXAMINATION, 1346 F. (1937).					
2	Syed Abul Fazal	..	II		Osmania University
M. A. FINAL EXAMINATION, 1346 F. (1937).					
1	Shah Abrar Alauad	..	II		Osmania University
2	Muhammad Abdul Wahab	..	II		do
3	Muhammad Shahabuddin	..	II		do
4	Kumar Raj Eshwar Chandra Vidyasagar..	..	III		do

## FACULTY OF THEOLOGY

MATRICULATION EXAMINATION, 1343, F. (1934).

*New Regulations*

Roll No.	Name	Class	School	Remarks
1	Muhammad Ibrahim Ali	II	Darul Uloom High School	
2	Muhammad Omar Sharif	II	do	
3	Muhammad Tahir	III	do	
7	Ibrahim Sharif	II	do	
8	Muhammad Atiq	III	do	
9	Muhammad Abdul Majid Khan	III	do	
11	Syed Shahbuddin Yaddullahi	II	Chanchalguda High School	
13	Syed Zahiruddin	II	Aurangabad High School	
14	Muhammad Abdul Wahab	II	Osmania High School, Gulburga	
16	Syed Moimuddin Husaini	III	Osmania High School, Mathwada	
18	Muhammad Ismail	Completed	do	
19	Muhammad Fakhruddin	do	do	

*Old Regulations*

613	Muhammad Abdul Wahid	III	Darul Uloom High School	
617	Muhammad Ghous Qadri	Completed	do	
618	Muhammad Nizamuddin	do	do	
620	Syed Afzaluddin Ahmad	do	Private	
621	Abdur Rahim	do	Osmania High School, Gulburga	
622	Muhammad Azhar Husain Naiyar	do	do	
624	Muhammad Ahmad Husain Khan	II	Private	
625	Muhammad Yusuf	II	do	



## MATRICULATION EXAMINATION, 1344, F. (1935).

15	Muhammad Shajaat Ali	III	Darul Uloom High School
19	Peer Bhai	II	do
22	Mirza Muhammad Ali Beg	II	Aurangabad High School
27	Muhammad Habibuddin	III	Islamia High School, Mathwada
29	Muhammad Qasim Ali	II	do
30	Muhammad Yaqub	Completed	do
35	Syed Muhammad Hosan	do	Private
700	Muhammad Jamaluddin Faruqi	do	do

## MATRICULATION EXAMINATION, 1345, F. (1936).

1	Khwaja Moinuddin Arif	II	Darul Uloom High School
2	Muhammad Makhdum Mohiuddin	III	do
3	Muhammad Abdur Rahman	II	do
6	Muhammad Farid Mirza	II	do
7	Mir Muhammad Ali	III	do
9	Mirza Ahmad Ali Beg	III	do
10	Muhammad Khurshid Ali Khan	II	do
11	Muhammad Osman Ali	II	do
13	Muhammad Osman	III	do
14	Muhammad Jafar	III	do
20	Syed Mahmud	III	do
49	Syed Muqumuddin Razvi	III	Osmania High School, Chanchalguda
52	Muhammad Inam	II	Aurangabad High School
54	Muhammad Jamaluddin	III	Osmania High School, Gulburga
62	Muhammad Nizamuddin	III	do
63	Ahmad Mohiuddin	II	Islamia High School, Warangal
		III	do

## MATRICULATION EXAMINATION, 1346, F. (1937).

1	Syed Qasim	III	Darul Uloom High School
3	Muhammad Ruknuddin	III	do

Roll No.	Name	Class	School	Remarks
7	Mirza Bashir Beg	III	Darul Uloom High School	
9	Shaikh Ahmed bin Husain Umudi	III	do	
10	Muhammad Hashim	III	do	
12	Syed Khwaja Moinuddin	Completed	do	
17	Muhammad Sharfuddin	II	Osmania High School, Chanchalguda	
19	Syed Alam Khundmiri	II	do	
20	Muhammad Ghaus Mohiuddin	II	Osmania High School, Bidar	
22	Muhammad Mahmood Ali	II	Osmania High School, Nalgonda	
23	Syed Abdullah	III	do	
24	Syed Muhammad Yahya Qadri	III	do	
34	Syed Qudrutullah	Completed	do	
39	Syed Alimuddin	do	do	
41	Syed Naziruddin Ahmed	III	Osmania High School, Baichur	
46	Muhammad Atullah	Completed	do	
47	Muhammad Abdul Ghafur	do	do	
48	Syed Ibrahim Yamani	do	do	
49	Muhammad Ahmed Siddiqi	II	Osmania High School, Mathwada	
53	Syed Baza	Completed	do	
55	Ghulam Mahbul	do	do	

## INTERMEDIATE EXAMINATION, 1343, F. (1934).

Boll No.	Name	Class	School	Remarks
2	Syed Muhammad Sadiq Mahmudi	I	Osmania University	
3	Muhammad Abdul Rahman	II	do	
6	Hafiz Sharif Mahfuz	Completed	do	
INTERMEDIATE EXAMINATION, 1344, F. (1935).				
1	Syed Yasin	II	Osmania University	
2	Syed Qadir Mohiuddin	II	do	
3	Muhammad Abdus Salam Qadri	II	do	
6	Muhammad Ghaus	II	do	
INTERMEDIATE EXAMINATION, 1345, F. (1936).				
2	Syed Shahabuddin Yadullahi	III	Osmania University	
4	Syed Qutubuddin Husaini	II	do	
6	Mir Mahbub Ali	Completed	do	
7	Shaikh Ahmad	do	do	
8	Muhammad Yahya Hashimi	do	do	
9	Syed Najmuddin Yadullahi	do	do	
INTERMEDIATE EXAMINATION, 1346, F. (1937).				
3	Muhammad Farooq	III	Osmania University	
4	Peer Muhammad	II	do	
5	Muhammad Shujaat Ali	II	do	
6	Muhammad Yusufuddin	Completed	do	

## B. A. EXAMINATION, 1343 F. (1934).

Roll No.	Name	Class	School	Remarks
1	Muhammad Badruddin Siddiqi	II	Osmania University	
2	Syed Muhammad Osman Ali	III	do	
5	Syed Ismail Qadri	Completed	do	
6	Muhammad Habibullah	do	do	

## B. A. EXAMINATION, 1344 F. (1935).

1	Syed Amjad Ali	II	Osmania University	
2	Syed Ahmad Husaini	II	do	
4	Hasan Mohiuddin Siddiq	II	do	
5	Muhammad Rafi-uz-Zaman	III	do	

## B. A. EXAMINATION, 1345 F. (1936).

3	Syed Muhammad Sadiq Mahmudi	I	Osmania University	
1	Hafiz Sharif Mahfuz	II	do	
2	Muhammad Abdul Rahman	II	do	
4	Muhammad Osman Khan	Completed	do	

## B. A. EXAMINATION, 1346 F. (1937).

2	Syed Yasin	II	Osmania University	
3	Muhammad Ghaus	II	do	

## M. A. EXAMINATION, 1343 F. (1934).

Roll No.	Name	Class	School	Remarks
1	Syed Husain Qadri Shore	I	Osmunia University	
M. A. EXAMINATION, 1345 F. (1936).				
1	Syed Ismail Siddiqi	II	Osmunia University	
2	Syed Muhammad Osman Ali	II	do	
M. A. EXAMINATION, 1346 F. (1937).				
1	Hasan Mohiuddin Siddiqi	I	Osmunia University	

## FACULTY OF SCIENCE

## B. Sc. EXAMINATION, 1343 F. (1934).

Roll No.	Name	Class	School	Remarks
163	B. Kannayya	I	Osmania University	
164	Ishaq Muhammad Khau Kausalzai	I	do	
168	Muhammad Abdul Muqeem	I	do	
151	Muhammad Abdul Rashid Khan	III	do	
155	Muhammad Hashim	III	do	
157	Muhammad Krimallah	II	do	
167	Muhammad Abul Hameed	II	do	
168	Qazi Muhammad Abdul Hadi	III	do	
169	Mir Asad Ali	III	do	
172	G. Venkat Narsihvan Reddy	III	do	
178	Muhammad Abdul Rashid Khan	III	do	
181	Syed Ali Shabbir Hatmi	II	do	
183	Nazar Muhammad Khan	II	do	

## B. Sc. EXAMINATION, 1344 F. (1935).

Roll No.	Name	Class	School	Remarks
138	S. M. Kalimullah Qadri	II	Osmania University	
139	Muhammad Sharfuddin Khan	III	do	
140	Muhammad Mazharuddin Ahmad	III	do	
141	Muhammad Moynuddin	III	do	
148	Syed Mahdi Ali	III	do	
150	Mahindar Raj Sekena	II	do	
160	Srinivas Rao	II	do	
163	Syed Zahiruddin Ahmad	III	do	
166	Muhammad Abdul Karim Siddiqi	I	do	

167	Khawaja Muhammad Izzatullah	..	II	Osmania University
168	Muhammad Abdullah	..	II	do
172	Ramchandrar Nandapurkar	..	III	do
180	Panchadhar Ramchandrar Rao	..	II	do
181	Shri Fad Deshpande	..	II	do
182	Muhammad Ahmad	..	Completed	do
193	Ramchandrar	..	do	Ex-student,
173	Muhammad Abdul Wahced	..	do	do

## B. Sc. EXAMINATION, 1945 F. (1936).

146	Bhujang Rao Kulkarni	..	I	Osmania University
141	Muhammad Khadim Husain Qureshi	..	I	do
139	Syed Khawaja Mahbub Husain	..	I	do
131	Muhammad Ghous Mohiuddin	..	II	do
132	Mahmood Navaz Khan	..	II	do
135	Muhammad Kalimullah Siddiqi	..	II	do
136	Syed Muhammad Ali Abhasi	..	II	do
138	Muhammad Rahimuddin	..	II	do
140	Syed Bashiruddin Nizami	..	I	do
145	G. Malla Reddy	..	III	do
147	Kamraj Ganpat Rao	..	II	do
148	Ahmad Mohiuddin	..	II	do
149	Muhammad Abdul Vali Siddiqi	..	II	do
150	Muhammad Junaid Ahmad	..	II	do
151	Muhammad Salar Masood	..	II	do
152	Muhammad Shaikatullah	..	II	do
153	M. Sri Raug Rao	..	III	do
156	Syed Fazlullah	..	II	do
157	Muhammad Abdul Ali	..	III	do
155	Muhammad Tajammul Ali Khan Faruqi	..	III	do
159	Chandappa Patel	..	II	do
162	Syed Masud Husain	..	II	do
165	Muhammad Badrudin Husain	..	II	do

Roll No.	Name	Class	School	Remarks
166	Muhammad Qadiruddin Khan	II	Osmania University	
167	Syed Ahmad Kabir	II	do	
168	Muhammad Abdul Rashid	II	do	
171	Muhammad Ahsan	II	do	
174	Khawaja Muhammad Nasrullah	III	do	
175	Syed Abdul Qadeer	II	do	
176	Muhammad Masood Ali Khan	III	do	
188	Muhammad Kifayat Ali	III	do	
189	Muhammad Sirshabuddin	III	do	
198	Muhammad Abdul Wahab	Completed	do	
199	Ahmad Abdul Aziz	do	do	
200	Syed Ibrahim Nehri	do	do	
201	Syed Abdul Basit	do	do	
202	Muhammad Abdul Jabbar Faruqi	do	do	
203	Meraajuddin Ahmad	do	do	
204	Muhammad Jafar	do	do	
205	Syed Musa	do	do	

## B. Sc. EXAMINATION, 1346 F. (1937).

190	Padmanabha	I	Osmania University	
128	Muhammad Muzaffaruddin Khan	II	do	
130	Syed Alauddin Nahari	III	do	
131	Ghulam Moimuddin	II	do	
132	Muhammad Saidullah Khan	II	do	
133	Khurshid Ali Khan	II	do	
136	Muhammad Qutubuddin	II	do	
137	Muhammad Ghiasuddin Farooqi	II	do	



138	Syed Ghous Mohiuddin	II	do
140	Muhammad Nasir Ali	III	do
141	Muhammad Maqsood Shah Khan	II	do
142	Muhammad Muniruddin	III	do
143	Mr Enayat Ali Kan	II	do
144	Syed Aziz Husain Razvi	III	do
147	Rai Narayan Pershad Bhargo	II	do
148	Bajjorji Patel	III	do
152	Khawaja Salabat Ali	III	do
153	Syed Abdul Wahid Razvi	II	do
154	B. Manik Lal Waghrey	III	do
156	Muhammad Abdul Rahim Khan	II	do
158	Syed Muhammad Wali	II	do
161	Muhammad Abdul Wahid Qureshi	II	do
162	Muhammad Abbas Khan	III	do
164	Syed Moicammad Hyder Raza Zaidi	II	do
165	Kasli Rao Deshpanday	II	do
166	Tinambuk Rao Deshmukh	II	do
169	Ambadas Rao Toke	II	do
173	D. Babu Rao	III	do
180	Muhammad Mojtaba	II	do
183	Muhammad Abdul Hai	II	do
184	Syed Hidayat Ali	III	do
189	Dattatric Rao Dhondegaonkar	II	do
191	Govind Rao Basmatkar	II	do
193	Muhammad Habibullah	II	do
197	Govind Rao Deshpanday	III	do
199	Muhammad Abdul Ali	II	do
200	Shankh Lal	III	do
201	K. Unapati Reddi	III	do
207	K. Unapati Reddi	II	do
210	Mahboob-un-Nissa Begam	II	do
211	Batula Razvi	II	do

Women's College

## M. Sc. EXAMINATION, 1943 F. (1934).

Roll No.	Name	Class	School	Remarks
1	V. Bhimiah	I	Osmania University	
M. Sc. EXAMINATION, 1944 F. (1935).				
5	P. Narayan Rao	I	Osmania University	
1	Muhammad Ghaus Siddiqi	II	do	
2	Ghaus Muhammad Khan	II	do	
3	Muhammad Muniruddin	III	do	
4	Shripat Rao Pathak	II	do	
6	Ranchandar Rao Rang Rao Gangakhedker.	II	do	
7	K. Rang Rao	II	do	
M. Sc. EXAMINATION, 1945 F. (1936).				
1	Muhammad Karim Ullah	II	Osmania University	
2	B. Kanaiah	I	do	
3	Mir Asad Ali	I	do	
4	Dinkar Shrepatrao Datar	II	do	
5	Muhammad Abdu Salam	II	do	
6	Muhammad Rahimullah Qureshi	I	do	
M. Sc. FINAL EXAMINATION, 1946 F. (1937).				
1	Syed Muhammad Mohsin	II	Osmania University	
2	Muhammad Monuddin	II	do	
3	Mahendar Raj Saksena	I	do	
6	Vedprakash Neera	II	do	
7	Lal Mohan Sri Vastava	I	do	
8	Srinivas Rao	II	do	

**FACULTY OF LAW**  
**LL. B. (PREVIOUS) EXAMINATION, 1943, F. (1934).**  
*Arranged in order of merit.*

Roll No.	Name	Class	Remarks
29	Ghous Mohiuddin Ahmed	I	
14	Muhammad Rahatullah Khan	I	
18	R. Sardar Singh	I	
30	Ghulam Jilani	I	
19	Syed Hamid Shuttari	I	
27	Muhammad Abdul Ghani	II	
22	Syed Rashiduddin Ahmed	II	
24	Muhammad Abdul Hai	II	
6	Tulkalpalli Atama Ram Sharma	II	
5	Baharatchand Khanna	II	
26	Muhammad Abdul Moeed Khan	II	
48	Ramechander Rao	II	
28	Khawaja Ghulam Gauhar Ali Khan	II	
40	Maruti Rao Joshi	II	
16	Syed Muslehuddin	II	
25	Abdul Qadir	II	
32	Vinayak Rao Pujari	II	
7	T. P. Chandarsekar Yadu	II	
34	P. Venkat Ram Rao	II	
49	Kishen Rao Dafne	II	
33	Wahid Bakhsh	II	
39	Mir Vazir Ali Khan	II	
20	Syed Ferasat Husam	II	
42	Muhammad Munir-uz-Zaman	II	

## LL. B. (PREVIOUS) EXAMINATION, 1344, F. (1935).

Roll No.	Name	Class	Remarks
29	Mir Qutbat Ali	I	
17	Syed Mahmood	I	
30	Mohsin bin Shabbir	I	
41	Muhammad Dawar Husain	I	
5	S. M. Chatgopakar	I	
49	S. Hari Shanker	I	
45	J. Tuka Rao	I	
43	K. Venkat Ram Rao	II	
30	Harischander Heda	II	
8	C. Dalchand Sanghi	II	
36	Mir Zahid Ali Kamil	II	
33	Muhammad Abdul Qayyum	II	
15	B. Srinivas Rao	II	
14	Syed Ali Ibn Kazim	II	
27	Govind Pershad Gudi	II	
46	Narayan Rao B. Chawhan	II	
6	Chandrasekar Hiremath	II	
14	Muhammad Badrudin Siddiqi	II	
19	Syed Muhammad Ahsan	II	
28	Muhammad Bashiruddin	II	
22	B. Sham Sunder Rao	II	
42	Muhammad Daulat Khan	II	
53	Hamiduddin Khan	II	
20	Shah Muhammad Alam Nizami	II	
35	Muhammad Habibullah Beg	II	
9	P. Rang Rao	II	
16	Syed Abdul Haleem	II	
2	D. Bhaskar Rao	II	

47	Venkat Rao Nandgiri	..	II
48	Muhammad Dawood Khan	..	II
4	Trimbak Rao	..	II
12	Rangrao Manorkar	..	II
39	Muhammad Fakhruddin Ahmad	..	II

LL. B. (PREVIOUS) EXAMINATION, 1345, F. (1936).

27	Muhammad Ali Khan	..	I
10	Tirimbak Rao Gangakhedker	..	I
20	Syed Zahiruddin Ahmad	..	I
26	Muhammad Abdullah	..	I
12	Rajeshwar Rao	..	II
14	Ranchandrarao Nandapurkar	..	II
22	Gajanan Rao	..	II
28	Syed Abdus Samad Razvi	..	II
29	Syed Ghulam Ahmad Husaini Bazvi	..	II
18	Muhammad Kahiruddin Hasan	..	II
21	Syed Newazish Husain	..	II
11	Kharaja Bashiuddin	..	II
31	D. V. Narsing	..	II
33	V. Muttim Rao	..	II
8	Bhagvan Rao Deshpande	..	II
40	Muhammad Dilawar Ali	..	II
47	Ghulam Ahmad	..	II
32	M. Venugopal Reddi	..	II
45	Satnarain Rao	..	II

LL. B. (PREVIOUS) EXAMINATION, 1346, F. (1937).

23	Muhammad Mazharuddin Ahmad Ansari..	..	I
4	Muhammad Abul Qasim Kamil	..	I
10	Muhammad Badruddin Husain	..	II
11	Bal Bhim Rao Jagate	..	II
39	G. Mulla Reddi	..	II
41	Muhammad Karam Ali Khan	..	II

Roll No.	Name	Class	Remarks
72	Muhammad Yunus Sulim	II	
45	Syed Muhammad Abbas	II	
46	H. Rachotappa	II	
7	Syed Isbaq	II	
24	Muhammad Wakil Ahmad Faruqi	II	
43	C. Murhar Rao	II	
14	Muhammad Juned Ahmad	II	
65	Bhagwan Rao Venkatesh Rao Deshmukh..	II	
2	Appa Rao	II	
69	Ramchander Rao Deshpandya Parlikar	II	
19	Syed Moineuddin Shahbaz	II	
38	M. Sri Rang Rao	II	
27	Muhammad Maulana	II	
25	Das Ram Rao bokel	II	
57	Annaji Gohane	II	
31	Venkat Rao Jadhav	II	
34	Muhammad Abdul Jabbar	II	
68	K. V. Ramchandra Reddi	II	

## LL. B. (FINAL) EXAMINATION, 1943, F. (1934).

Roll No.	Name	Class	Remarks
12	Dharni Dhar Singhi	I	..
28	Muhammad Bashir Ahmad	I	..
1	Ismail Ahmad Minai	I	..
13	Muhammad Bahmatullah	I	..
11	Digambar Rao Chowdhri	I	..
15	Shankar Naryan Gond	I	..
6	Elaadle Ramchandar Rao	II	..
7	Bhim Rao Deshpande	II	..
14	Ranganath Rao Mahajan	II	..
19	Muhammad Abbas	II	..
22	Muhammad Sadruddin Ansari	II	..
10	Muhammad Fazal Haq	II	..
37	Rai Hind Keshore Mathur	II	..
27	Muhammad Muslehuddin	II	..
26	Gurunath Apranji	II	..
33	Mukand Rao	II	..
35	Niranjan Pershad	II	..
5	M. Bhim Sin Rao	II	..
36	Muhammad Naziruddin	II	..
16	Syed Nuruddin	II	..
24	Vankob Rao Talikotkar	II	..

## LL. B. (FINAL) EXAMINATION, 1944, F. (1935).

26	C. Aga Reddy	I	..
2	R. Saurdar Singh	I	..
13	Wahid Bakhsh	I	..
12	T. P. Chandrasekar	I	..

Roll No.	Name	Class	Remarks
11	Muhammad Mujiz Ali	II	
7	Syed Rashiduddin Ahmad	II	
28	Ghulam Hafiz Khan	II	
5	Muhammad Muniruzzaman	II	
22	Khwaja Ghulam Gauhhar Ali Khan	II	
15	Syed Hamid Shm'ari	II	
6	Muhammad Abdul Ghani	II	
10	Maruti Rao Joshi	II	
4	Syed Ferasat Husain	II	
20	Muhammad Abdul Hai	II	
14	Kishen Rao Dafne	II	
3	Abdul Qadir	II	
21	Muhammad Abul Khair Munzharul Haq	II	
1	Tulkalpalli Atma Rao	II	

## LL B. (FINAL) EXAMINATION, 1945, F. (1936).

24	Molisin bin Shabbir	I	
28	Muhammad Abdul Qaiyum	I	
23	Govind Pershad Gaur	I	
26	Syed Mahmud	I	
11	Muhammad Deud Khan	I	
12	Muhammad Wawar Husain	I	
45	Syed Muslehuddin	I	
7.	J. Tuka Rao	I	
41	Ghulam Jilani	I	
47	Vinayak Rao Pujari	I	
9	S. M. Chatgopakar	II	
25	Narain Rao B. Chawhan	II	



29	Syed Ali Ibne Kazim	..	II
46	Muhammad Waliduz Zaman	..	II
20	Shah Muhammad Alam Nizami	..	II
3	D. Bhaskar Rao	..	II
10	Hamiduddin Khan	..	II
34	Ahmad Abdul Qaiyum Siddiqi	..	II
17	Mir Zahid Ali Kamil	..	II
31	K. Venkat Ram Rao	..	II
4	Muhammad Badruddin Siddiqi	..	II
5	Muhammad Bashiruddin	..	II
8	Chandrasekar Hiremath	..	II
2	Syed Muhammad Ahsan	..	II
22	Mir Qudrat Ali	..	II
30	Venkat Rao Nandikar	..	II
14	C. Dalchand Singhi	..	II
33	S. Harishankar	..	II
35	B. V. Upadhyaya	..	II
49	P. Venkat Ram	..	II
16	B. Rang Rao	..	II
40	Muhammad Abdur Bazaar Khan Saulat	..	II
36	Muhammad Badruddin Khan Shikeb	..	II
32	Harishchandar Heda	..	II
44	D. Manik Rao	..	II
13	Muhammad Daulat Khan	..	II
38	Ramchandar Rao	..	II
39	Muhammad Abdul Hai	..	II
42	Lakshmi Kanat Rao	..	II
43	A. Lakshminah	..	II
19	B. Shamsunder Rao	..	II
1	Syed Muhammad Akbar Wafaqani	..	II
LL B. (FINAL EXAMINATION) 1946, F. (1937).			
11	Gajanan Rao Joshi	..	I
19	Rajeshwar Rao	..	I

Roll No.	Name	Class	Remarks
12	D. V. Narsing Rao	I.	
18	Bamchandar Govind Rao Nandapurkar	I.	
8	K. Vidyanand	I.	
22	Syed Zahiruddin Ahmad	I.	
9	Syed Abdus Samad Razvi	II	
1	Bhagvan Rao Deshpande	II	
15	M. Venugopal Reddi	II	
13	V. Muttim Rao	II	
21	Muhammad Abdullah	II	
17	Muhammad Ali Khan	II	
24	B. Srinivas Rao	II	
3	Muhammad Dilawar Ali	II	
7	Mir Wazir Ali Khan	II	
20	Muhammad Fakhruddin Hasan	II	
4	Tirambak Rao Gangakhedkar	II	
23	J. Tirath Anant Puranik	II	
2	Tirambak Rao Panwakar	II	
5	Ghulam Ahmad	II	
10	Khwaja Bashiduddin	II	
6	Rang Rao Manorkar	II	

## FACULTY OF MEDICINE

Osmania Medical College.

*Arranged in order of merit.*

Roll No.	Name	Class	Remarks
<b>M. B. B. S. (FIRST PROFESSIONAL) EXAMINATION, 1948, F. (1934).</b>			
16	Syed Abdul Mannan	I	
1	Ahmad Mohiuddin	I	
6	Baghunandan Raj Saksena	I	
12	Mir Muassiquddin	II	
21	Muhammad Yusufuddin	II	
2	Hamif Ahmad Ansari	II	
19	N. Govind Raj	II	
8	Muhammad Ghousuddin	II	
13	Syed Akhtar Ahmad	II	
14	Muhammad Abdul Azeem Khan	II	
11	Muhammad Yasin Zubairi	II	
20	Syed Yunus	II	
10	Muhammad Nurul Islam Khan	II	
<b>M. B. B. S. (FIRST PROFESSIONAL) EXAMINATION, 1944, F. (1935).</b>			
18	Muhammad Saadat Ali Khan	I	
23	Syed Abdul Latif	II	
9	Qazi Syed Abdul Rashid	II	
22	Muhammad Abdul Qaiyum	II	
2	Syed Akhtar Husain	II	
20	Muhammad Sharfuddin	II	
10	Muhammad Qasim Ali	II	
17	Syed Muhammad Hasan	II	
8	Muhammad Rafiqul Hasan Ansari	II	
24	Muhammad Inayatullah Rahman Khan	II	

Roll No.	Name	Class	Remarks
6	S. Raja Karan	II	
21	Ghulam Muhammad Shafi Khan Abul Ula	II	
14	T. Narayan Reddi	II	
19	Muhammad Samiullah Khan	II	
M. B. B. S. (FIRST PROFESSIONAL) EXAMINATION, 1345, F. (1936).			
6	Abdus Salim Khan	I	
1	G. P. Ramiah	II	
8	Qazi Muhammad Abdul Bari	II	
10	Muhammad Samiullah	II	
21	Mirza Rafatullah Beg	II	
5	Syed Ghousuddin	II	
11	Moinuddin Hasan	II	
19	Muhammad Liaquat Ali Khan	II	
20	Mir Muhammad Ali	II	
15	K. S. Manvikar	II	
17	Muhammad Imamuddin	II	
14	J. Vishwanath Rai	II	
3	D. T. Bhushanam	II	
7	Qazi Rashid Ahmad	II	
M. B. B. S. (FIRST PROFESSIONAL) EXAMINATION, 1346, F. (1937).			
3	Muhammad Amjad Ali	I	
4	Muhammad Badruddin	I	
16	Aziz Husain	I	

13	Muhammad Shafuddin Khan	II
5	Khairun Nisa Begam	II
12	Sardar Khan	II
20	Miss M. Butt	II
2	Muhammad Iqbal Ahmad Siddiqi	II
21	Muhammad Yusuf Siddiqi	II
11	Subba Rao	II
9	Miss Renoka Chatopadhyaya	II
10	Vitthal Rao Joshi	II
6	P. B. Jagmohan	II

## M. B. B. S. (SECOND PROFESSIONAL) EXAMINATION, 1343, F. (1934).

Roll No.	Name	Class	Remarks
3	Syed Abdul Majid	..	I
9	Muhammad Yusufuddin Ansari	..	II
7	Muhammad Mahmud Ali	..	II
2	Sat Narain	..	II
5	Seetal Singh	..	II

## M. B. B. S. (SECOND PROFESSIONAL) EXAMINATION, 1344, F. (1935).

1	Ahmad Mohiuddin	..	I
6	Syed Abdul Mannan	..	I
4	Raghunandan Raj Saksena	..	II
13	Khawaja Muhammad Shueb	..	II
8	Muhammad Ghausuddin	..	II
14	Muhammad Abdul Walid Khan	..	II
3	Hanif Ahmad Ansari	..	II
10	Mir Muassiquddin	..	II
2	Syed Akhtar Ahmad	..	II
12	Mirza Hamidullah Beg	..	II
9	Muhammad Yasin Zubaire	..	II

## M. B. B. S. (SECOND PROFESSIONAL) EXAMINATION, 1345, F. (1936).

9	Muhammad Sharfuddin	..	I
16	Muhammad Nurul Islam Khan	..	II
14	Qazi Syed Abdur Rashid	..	II
4	Muhammad Rafiq Hasan Ansari	..	II
1	Syed Akhtar Husain	..	II
13	Syed Abdul Latif	..	II

17	Syed Yunus	II
6	Muhammad Qasim Ali	II
3	S. Rup Karan	II

M. B. B. S. (SECOND PROFESSIONAL) EXAMINATION, 1946, F. (1937).

18	G. P. Bamiyah	I
1	Abdus Salim Khan	I
20	T. Narain Reddi	I
6	Qazi Muhammad Abdul Bari	II
10	Qazi Rashid Ahmad	II
19	D. T. Bhushnam	II
2	Muhammad Abdul Azim Khan	II
11	Muhammad Abdul Qaiyum	II
15	Ghulam Muhammad Shafi Khan	II
9	Moinuddin Husain	II
3	Liaquat Ali Khan	II
13	Muhammad Samiullah Khan	II
7	Muhammad Samiullah	II

## M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION, 1343, F. (1934).

Roll No.	Name	Class	Remarks
4	Muhammad Hasanuddin Khan	..	..
6	E. Srinivas Reddi	..	..
3	Mir Akbar Ali	..	..
5	Fal Bahadur	..	..
1	Abu Muhammad Ghiasuddin	..	..

## M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION, 1344, F. (1935).

5	Yusufuddin Ansari	..	I
4	Syed Abdul Majid	..	II
3	Mahmud Ali	..	II
2	Sital Singh	..	II
1	Sat Narayan	..	II
11	Aff Ahmad Quraishi	..	II
7	Ahmad Abdul Ahim	..	II
6	Nazir Mohiuddin	..	II
9	Muhammad Masihuddin Ahmad	..	II
10	Munir Rahman	..	II
8	Syed Bashiruddin Husaini	..	II

## M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION, 1345, F. (1936).

1	Ahmad Mohiuddin	..	I
4	Raghumandan Raj Sakeena	..	I
6	Syed Abdul Mannan	..	II
9	Muhammad Yasin Zubairi	..	II
3	Khwaja Muhammad Shueb	..	II
5	Syed Akhtar Ahmad	..	II



2	Hanif Ahmad Ansari	..	II
11	Mir Moassaquddin	..	II
10	Mirza Hamidullah Beg	..	II
8	Muhammad Ghausuddin	..	II
7	Muhammad Abdul Wahid Khan	..	II

M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION, 1946, F. (1937).

1	Syed Akhtar Husain	..	I
6	Qazi Syed Abdul Rashid	..	II
4	Muhammad Sharfu'ddin	..	II
8	Syed Abdul Latif	..	II
7	Muhammad Nurul Islam Khan	..	II
3	Muhammad Rafiqul Hasan Ansari	..	II
5	Muhammad Qasim Ali	..	II
2	S. Rup Karan	..	II
9	Syed Yunus	..	II

## M. B. B. S. (FOURTH PROFESSIONAL OR FINAL) EXAMINATION, 1343, F. (1934).

Roll No.	Name	Class	Remarks
9	Mir Mustafa Ali Zaidi	I	
1	Abul Kalam Muhammad Badruddin	II	
5	Muhammad Ghaus	II	
6	Syed Abdus Samad	II	
4	J. Tulsi Das	II	
7	Muhammad Abdur Rah	II	
11	Ahmad Abdul Wahid Khan Arab	Completed	

## M. B. B. S. (FOURTH PROFESSIONAL OR FINAL) EXAMINATION, 1344, F. (1935).

2	Mir Akbar Ali	II	
3	Muhammad Hasanuddin Khan	II	
1	Abu Muhammad Ghausuddin	II	
6	Khurshid Ali	Completed	
7	Muhammad Husain	do	
8	Ghulam Murtaza	do	
9	G. V. Nargand	do	

## M. B. B. S. (FOURTH PROFESSIONAL OR FINAL) EXAMINATION, 1345, F. (1936).

8	Mahmud Ali	II	
7	Syed Abdul Majid	II	
9	Muhammad Masihuddin Ahmad	II	
12	Muhammad Yusufuddin Ansari	II	
4	E. Srinivas Reddi	II	

## M. B. B. S. (FOURTH PROFESSIONAL OR FINAL) EXAMINATION, 1346, F. (1937).

3	Ahmad Mohiuddin	I	..
4	Syed Abdul Mannan	II	..
16	Raphunandan Raj Saksena	II	..
9	Muhammad Ghausuddin	II	..
8	Khawaja Muhammad Shoeb	II	..
12	Nazir Mohiuddin	II	..
6	Mir Moassiquddin	II	..
10	Muhammad Munirur Rahman	II	..
17	Satnarain Verma	II	..
5	Hanif Ahmad Ansari	II	..
7	Muhammad Yasin Zubairi	II	..
15	Ahmad Abdul Alim	Completed	..
18	Fal Bahadur	do	..

## FACULTY OF ENGINEERING

## OSMANIA ENGINEERING COLLEGE.

*Arranged in order of merit.*

Roll No.	Name	Class	Remarks
B. E. EXAMINATION, PART I. 1343 F. (1934).			
1	Shauk Sharqat Ali	II	
4	Rajeshwar Rao Kache	II	
8	Muhammad Abdul Qadir	II	
9	B. Nausihvan Reddi	II	
12	Muhammad Basharat Ali	II	
13	G. Babu Rao	II	
14	Syed Bahbud Ali	II	
17	Ashiq Ali	II	
18	Mirza Abdus Sattar Beg	II	
19	Muhammad Ghulam Jilani	II	
22	Raghvender Rao	II	
B. E. EXAMINATION, PART I. 1344 F. (1935).			
14	Narayan Rao Kharsale	II	
8	Muhammad Abdullah Khan	II	
10	Muhammad Abdul Rashid	II	
12	Syed Muhammad Siddiq Qadri	II	
1	Tajuddin Hasan	II	
26	Syed Hamid Ali	II	
3	B. V. Sheshadri	II	
29	Muhammad Osman	Completed	

## B. E. EXAMINATION, PART I. 1345 F. (1936).

7	Narain Rao	I
10	Muhammad Abdul Muqim	II
8	G. Narsing Rao	II
11	Muhammad Mahbul	II
13	Henmant Rao	II
6	Muhammad Zafar Muhiuddin	II
2	Padmakar Kothkar	II
9	Muhammad Abdul Hamid	II
26	Aziz Ahmad	II
14	Muhammad Aftab Ahmad Siddiqi	II
4	Satya Parkash Nihra	II
27	Muhammad Ashiq Husain	II
21	S. Krishna Rao Naidu	II
3	M. Dwarka Nath	II
1	C. Pulliah	II
12	Muhammad Munawwar Ali	II
23	Muhammad Abulur Rohim	II

## B. E. EXAMINATION, PART I. 1346 F. (1937).

1	Iftikhar Ahmad	I
13	K. Venkat Srinivas Rao	I
12	P. Sita Ram Rao	II
11	Rannik Lal Kaparya	II
7	Syed Zahurul Hasan	II
21	T. V. Wardhacharya	II
5	Syed Bahadur Ali	II
2	Muhammad Fazlur Rahman Siddiqi	II
17	Muhammad Tahir Husain	II
3	Muhammad Dilawar Khan Mahdavi	II
8	Ghulam Omar	II

## B. E. EXAMINATION, PART II. 1343 F. (1934).

Roll No.	Name	Class	Remarks
1	Khwaja Muhammad Wase	II	
4	Muhammad Mohsinuddin Haqqani	II	
6	Muhammad Yaqub Ali	II	
7	Ghulam Jilane	II	
8	Syed Yusuf Husain	II	

## B. E. EXAMINATION, PART II. 1344 F. (1935).

4	B. Narsihvan Reddy	II	
8	Muhammad Abdul Qadir	II	
5	Rajeshwar Rao Kache	II	
7	Shank Shafat Ali	II	

## B. E. EXAMINATION, PART II. 1345 F. (1936).

7	Narain Rao Klarsale	I	
1	Tajuddin Husain	II	
5	Muhammad Abdur Basitid	II	
12	Mirza Abdus Sattar Beg	II	
6	Muhammad Abdullah Khan	II	
4	Syed Muhammad Siddiq Qadri	II	
10	Syed Bahbud Ali	II	
8	G. Bapu Rao	II	
14	S. Venu Gopal	II	
16	Muhammad Ghulam Jilani	II	

## B. E. EXAMINATION, PART II. 1346 F. (1937).

17	Narain Rao	II
14	Padmakar Kothlikar	II
4	Muhammad Abdul Hamid	II
1	Muhammad Abdul Muqim	II
15	Hannant Rao Bapu Rao Kulkarni	II
16	G. Narsing Rao	II
6	Muhammad Aftab Ahmad Siddiqi	II
11	M. Dwarkanath	II
13	Satya Parkash Nagra	II
2	Muhammad Mahbul	II
3	Muhammad Zafar Mohiuddin	II

## FACULTY OF EDUCATION

Diploma-in-Education Examination, 1343 F. (1934).

*Osmania Training College.*

Roll No.	Name	Rank		Remarks
		Theory	Practice	
1	Syed Zahid Husain	..	I	Distinction in History.
2	Muhammad Abdul Wahab Khan	..	II	
3	Dhram Raj	..	II	
4	Syed Hasnuddin	..	I	
5	Syed Ghulam Qadir	..	II	
6	Muhammad Jafar Husain Fida	..	II	Distinction in Mathematics.
7	Rashid Ahmad Minai	..	II	
8	Muhammad Abdul Rahim Khan	..	II	
9	Syed Karamat Ali	..	I	
10	Ratan Lal	..	II	
11	Gopal Rao Pulamkar	..	I	
12	Muhammad Alauddin	..	II	
13		..	I	

Diploma-in-Education Examination, 1344 F. (1935).

1	Syed Azmatullah Husaini Baktiari	..	Passed	Distinction in Geography.
2	M. Sita Narayan Murti	..	II	
3	Ramchandar Rao	..	I	
4	Mir Siddiq Ali	..	II	
5	Muhammad Husain	..	II	
6	Syed Mujtaha Ahmad	..	I	



8	Anisuddin Ansari	..	II	I	
9	Muhammad Yasin Alvi	..	II	II	
10	Muhammad Manzur Husain	..	II	I	Distinction in Science.
11	Ghulam Husain	..	II	I	
12	Ghulam Gaus Khan	..	III	Passed	

Diploma-in-Education Examination, 1345 F. (1936).

1	Muhammad Qumruzzaman Khan	..	II	II	
2	Mahmood Abdus Suboor	..	II	II	
3	Bhaakar Narayan	..	II	I	
4	Muhammad Badruddin	..	II	Passed	
5	Das Dev Rao Bakshi	..	II	II	
6	Muhammad Nazim Siddiqi	..	I	I	Distinction in Science.
7	Ishad Muhammad Khan	..	II	I	
8	Syed Ali Husaini	..	II	I	
9	Manik Rao	..	II	I	
10	Muhammad Sharfuddin	..	I	I	Distinction in Science.
11	Syed Muhammad Quli Khan	..	II	II	
12	Muhammad Ahmad Abbasi	..	II	II	Distinction in Science.
13	Radhika Pershad	..	II	I	

Diploma-in-Education Examination, 1346 F. (1937).

1	Ghiasuddin Ahmad	..	II	II	
2	Muhammad Ishaq	..	II	I	
3	B. Narain Rao	..	II	II	
4	Pandit Rao Kale	..	I	II	Distinction in English.
5	Israel Livingston M. Bhaktul	..	II	I	
6	Muhammad Aziz Khan	..	II	I	
7	Muhammad Mahbub Ali Khan	..	III	I	
8	Syed Anwar Husain Razvi	..	I	I	Distinction in History.
9	Indad Ahmad Zubairi	..	II	I	

Roll No.	Name	Rank		Remarks
		Theory	Practice	
10	Muhammad Abdul Matin	II	II	
12	Hamid Husaini Razvi	II	II	
13	Syed Abdul Azim	III	I	
14	Muhammad Abdus Salam	III	Passed	
15	D. R. Narsihvan Rao	II	I	
16	Mubiuddin Ahmad Qureshi	II	II	
17	Mahmud Khan	II	I	
18	Muhammad Rahmatullah Khan	II	Passed	
19	Syed Hamid Benazir	II	I	
20	Niaz Muhammad Khan	I	I	
21	Syed Yaqub	II	I	
22	Muhammad Muniruddin	II	II	
23	B. Rama Reddi	II	II	
24	Sampat Rai	II	I	
				Distinction in Mathematics.

## V. HONORARY DEGREES.

## SULTAN-UL-ULUM.

Azur 1333 F.—Oct. 1923 .. His Exalted Highness the Nizam.

## LL. D.

Aban 1334 F.—Sept. 1925 .. Nawab Imadul Mulk Bahadur, Sayyid Husain Bilgrami, C.S.I.

Dai 1336 F.—Dec. 1926 .. Nawab Sir Ahmad Husain Amin Jung Bahadur, K.C.I.E., C.S.I., M.A., B.L.

Dai 1337 F.—Dec. 1927 .. Nawab Hydar Nawaz Jung Bahadur, (Right Hon'ble Sir Akbar Hydari)

Dai 1338 F.— 1928 .. Nawab Masood Jung Bahadur, B.A. I.E.S. Bar-at-Law.

## VI.—FELLOWS WHO HAVE DELIVERED ADDRESS AT THE UNIVERSITY CONVOCATION.

Name	Date
Nawab Wali-ud-Daulah Bahadur	.. 28th September 1925.
Nawab Sadar Yar Jung Bahadur	.. 4th December 1926.
Maharaja Sir Kishan Pershad Yamin-us-Saltanat	.. 1st December 1927.
Nawab Sir Amin Jung Bahadur, M.A., B.L., LL.D., K.C.S.I., C.S.I.	.. 23rd March 1929.
Nawab Sir Nizam Jung Bahadur, B.A., B.L., (Oxon).	.. 30th January 1930.
Nawab Mirza Yar Jung Bahadur, B.A., LL. B.	6th August 1931.
Right Hon'ble Sir Akbar Hydari, Kt. P.C. B.A., LL. D., D.C.L.	9th March 1933.
Nawab Mahdi Yar Jung Bahadur, M.A. (Oxon.)	.. 8th February 1934.
Dr. A. H. Mackenzie, M.A., D.Litt. C.S.I., C.I.E.	.. 4th March 1935.
Nawab Zulqadar Jung Bahadur, M.A., (Oxon) Bar-at-Law.	.. 6th February 1936.
Dr. Sir Shah Mohd. Sulaiman, LL.D.	.. 9th February 1937.

## VII. FORMS.

## (i) FORMS OF APPLICATION FOR REGISTRATION FOR EXAMINATIONS.

## (1) MATRICULATION EXAMINATION.

## Form (A) for pupil candidates.

Name	..	..	.. { Urdu English
Date of birth and age at the time of submitting the application	..		
Father's name and occupation	..	..	.. { Urdu English
Race and Religion	..	..	..
School from which the candidate is appearing and the period of study	..		

Subject or subjects in which the candidate has passed previously specifying  
the roll No. and the year of the Examination .. ..

Subjects of the Examination in which the candidate desires to be examined

Where to be examined .. ..

Year or years, if any, in which the candidate has appeared for the examina-  
tion and the Register No. of the respective year should also be stated ..

Date .....

*Signature of the Candidate.*

*Certificate of the Head Master.*

I hereby certify that.....is a student of the Matriculation Class of (School)  
.....He attended.....(1) days out of.....in which the school was kept open during the  
current academical year. He has completed the prescribed course (2) he has also satisfactorily completed  
the prescribed course in Manual and Physical Training, (3) his character has been good and (4) the date of  
the Birth is.....and that his age on the 1st day of Shahrewar 134 F., will be.....

*Signature of the Head Master.*

FORM (B) *For private candidates and teachers.*

Name	..	..	..	{ Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	{ Urdu English
Race and Religion	..	..	..	..
Address	..	..	..	..
School in which the candidate is employed	..			
School in which the candidate was educated and the period of study	..			

Subject or subjects, in which the candidate passed with roll number and date  
of Examination .. .. .

Where to be examined .. .. .

Year or years, if any, in which the candidate has appeared for the examina-  
tion: (Centre, and the Register No. of the respective year should be stated)

Date .....

*Signature of the Candidate.*

#### *Certificates for Private Candidates.*

I hereby certify that (1).....son of .....has passed the test  
examination held in this on.....to test the fitness of the candidates to appear at the Matriculation  
Examination, (2) he was not a student of any School for six months before the commencement of the Exa-  
mination, (3) his character is good and (4) the date of his birth is.....and that his age on the 1st day  
of Shahrewar will be.....  
*Signature of Headmaster.*

#### *Certificate for Teachers.*

I hereby certify that (1).....is a whole time Teacher in.....he is fit to  
appear for the Matriculation and in view of his attainments he is expected to pass the Matriculation Exami-  
nation, (2) his character is good and (3) his date of birth is.....and that his age on the 1st day of  
Shahrewar will be.....

*Signature recognised Authority.*

FORM (A) *For College Candidates.*

(2) INTERMEDIATE EXAMINATION.

Name	..	..	..	Urdu	English
Date of birth and age at the time of submitting the application	..				
Father's name and occupation	..	..	..	Urdu	English
Race and Religion	..	..	..	..	..
Address	..	..	..	..	..
Matriculation Examination or its equivalent which the candidate has passed, date of passing and the class in which he was placed ..					
College or Colleges in which the candidate has studied and the time of each					



Subject or subjects in which the candidate passed with Roll No. and date  
of Examination      ..      ..      ..      ..

Optional subjects in which the candidate desires to be examined      ..

Year or years, if any, in which the candidate has appeared for the examina-  
tion (the Registrar No. of the respective year should be stated)      ..

Date.....

*Signature of the Candidate.*

### *Certificate for College Candidates.*

I hereby certify that.....is a student of this college. His character has been good  
and he has studied in this college during the period mentioned in this application. He has shown satis-  
factory progress in his subjects of study. The other facts are correct.

### *Certificate for Ex-College Candidates.*

I hereby certify that.....was a student of this college during the year.....and has  
appeared at the Intermediate Examination of the year .....from this college.

Date.....

*Signature of the Principal*

FORM (B) *For teachers and other private candidates.*

Name	..	..	..	Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	Urdu English
Race and Religion	..	..	..	
Address	..	..	..	
Matriculation Examination or its equivalent which the candidate has passed, date of passing and the class in which he was placed	..			
Nature of employment and period of service	..			
Subject or subjects, in which the candidate passed with roll number and date of Examination	..	..	..	..

Optimal subjects in which the candidate desires to be examined

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Year or years, if any, in which the candidate has appeared for the examination (the Registrar No. of the respective year should be stated) ..

---

Date.....

*Signature of the Candidate.*

*Certificate.*

I hereby certify that.....

(1) is a Nazir or Inspector of schools of.....District in the service of the Educational Department of His Exalted Highness' Government

or (2) is a whole-time teacher in the School.....recognised by the Educational Department or (3) is a Laboratory Assistant in the.....College

and that by the date of this application he has rendered continuous and approved service for.....years .....

His character is good and in view of his attainments he can hope to secure a pass in the Intermediate Examination.

Date.....

*Signature.....*

*Divisional Inspector of Schools or*

*Principal of a College.*

## (3) B. A. &amp; B. Sc. EXAMINATIONS.

FORM (A) *For college candidates.*

Name	..	..	{ Urdu English
Date of birth and age at the time of submitting the application	..		
Father's name and occupation	..	..	{ Urdu English
Race and Religion	..	..	..
Address	..	..	..
Intermediate Examination or its equivalent which the candidate has passed, date of passing and the class in which he was placed ..			
College or Colleges in which the candidate has studied and the time of each			

Subject or subjects in which the candidate passed with Roll No. and date  
of Examination .. .. .

Subjects of Examinations .. .. .

Year or years, if any, in which the candidate has appeared for the examina-  
tion (the Registrar No. of the respective year should be stated) .. .. .

Date .....

*Signature of the Candidate.*

### *Certificate for College Candidates.*

I hereby certify that.....student of this college. His character has been good  
and he has studied in this college during the period mentioned in this application. He has shown satis-  
factory progress in his subjects of study. The other facts mentioned are correct.

Date .....

*Signature of the Principal*

### *Certificate for Ex-College Candidates.*

I hereby certify that.....was a student of this college during the year.....  
and has appeared at the B. A. Examination of the year.....from this college.

Date .....

*Signature of the Principal*

FORM (B) *For teachers and other private candidates.*

Name	..	..	..	{ Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	{ Urdu English
Race and Religion	..	..	..	..
Address	..	..	..	..
Intermediate Examination or its equivalent which the candidate has passed, date of passing and the class in which he was placed				
..				
Nature of employment and period of service	..			
Subject or subjects in which the candidate passed with Roll No. and date of Examination				
..	..	..	..	..

### Subjects of Examinations

Year or years, in which the candidate has appeared for the examination (the Registrar No. of the respective year should be stated) ..

Date .....

*Signature of the Candidate.*

#### *Certificate.*

I hereby certify that .....

(1) is a Nazir or Inspector of schools of ..... District in the service of the Educational Department of His Exalted Highness' Government

or (2) is a whole-time teacher in the School ..... recognised by the Educational Department

or (3) is a Laboratory Assistant in the ..... College

and that by the date of this application he has rendered continuous and approved service for ..... years  
..... months.

His character is good and in view of his attainments he can hope to secure a pass in the B. A. Examination.

Date .....

*Signature* .....

*Divisional Inspector of Schools or  
Principal of a College.*

## (4) M. A. EXAMINATION.

Name	..	..	..	{ Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	{ Urdu English
Race and Religion	..	..	..	..
Address	..	..	..	..
B. A. Examination or its equivalent in which candidate has passed, date of passing and the class in which he was placed	..	..	..	..
College at which the candidate has studied and time of study	..	..	..	..
Subject of Examination	..	..	..	..
Year or years, if any, in which the candidate has appeared for the examination (the Registrar No. of the respective year should be stated)	..	..	..	..

Date.....

*Signature of the Candidate.**Certificate.*

I hereby certify that.....is a student of this college. His character has been good and he has studied in this college during the period mentioned in this application. The other facts mentioned are correct.

Date.....

*Signature of the Principal*



## M. Sc. EXAMINATION.

Name	..	..	..	Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	Urdu English
Race and Religion	..	..	..	..
Address	..	..	..	..
B. A. or B. Sc. Examinations or its equivalent examination in which the candidate has passed, date of passing and the class in which he was placed	..	..	..	Date of Passing
Subject of Examination	..	..	..	..
Year or years, in which the candidate has appeared for the examination with Roll No. and Centre	..	..	..	..

Date .....

*Signature of the Candidate.**Certificate.*

I hereby certify that.....is a student of this college. His character has been satisfactory and he has prosecuted a regular course of study for the period prescribed under the Rules and the facts mentioned in the application are correct.

Date .....

*Signature of the Principal*

## (5) LL. B. (PREVIOUS) EXAMINATION.

Name	..	..	..	Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	Urdu English
Race and Religion	..	..	..	..
Add: css	..	..	..	..
B. A. Examination or its equivalent in which candidate has passed, date of passing and the class in which he was placed	..	..	..	..
College at which the candidate has studied and time of study	..			
Year or years, if any, in which the candidate has appeared for the examination (Centre, and the Register No. of the respective year should be stated)	..			

Date..... *Signature of the Candidate.*

*Certificate.*

I hereby certify that.....is a student of this college. His character has been good and he has studied in this college during the period mentioned in this application. The other facts mentioned are correct.

Date..... *Signature of the Principal*

## LL. B. (FINAL) EXAMINATION.

Name	..	..	..	Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	Urdu English
Race and Religion	..	..	..	..
Address	..	..	..	..
Date of passing the LL. B. Previous Examination and the class in which the candidate was placed	..	..	..	..
College at which the candidate has studied and time of study	..			
Year or years, if any, in which the candidate has appeared for the examination (the Registrar No. of the respective year should be stated)	..	..	..	..

Date.....

*Signature of the Candidate.**Certificate.*

I hereby certify that.....is a student of this college. His character has been good and he has studied in this college during the period mentioned in this application. The other facts mentioned are correct.

Date.....

*Signature of the Principal*

## (6) M. B. B. S. (FIRST PROFESSIONAL) EXAMINATION.

Name	..	..	..	{ Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	{ Urdu English
Race and Religion	..	..	..	..
Address	..	..	..	..
Intermediate Examination or its equivalent, which the candidate has passed, date of passing and the optional subjects taken				
Year or years if any in which the candidate has appeared for the Examination				

Date.....

Signature of the Candidate.

## Certificate.

I hereby certify that.....is a student of this college. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the college during the period and is eligible to appear at the Examination. The required certificates are herewith attached.

Date.....

Signature of the Principal, Medical College.

# M. B. B. S. (SECOND PROFESSIONAL) EXAMINATION.

Name	..	..	..	..	{ Urdu English
Date of birth and age at the time of submitting the application	..				
Father's name and occupation	..	..	..	..	{ Urdu English
Race and Religion	..	..	...	..	..
Address	..	..	..	..	..
Whether the candidate passed the First Professional Examination	..				
Year or years if any in which the candidate has appeared for the Examination					

Date.....

## Certificate.

I hereby certify that.....is a student of this college. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the college during the period after passing the First Professional Examination and is eligible to appear at the Examination. The required certificates are herewith attached.

Date.....

*Signature of the Principal, Medical College.*



## M. B. B. S. (FOURTH OR FINAL PROFESSIONAL) EXAMINATION

Name	..	..	..	Urdu	English
Date of birth and age at the time of submitting the application					
Father's name and occupation	..	..	..	Urdu	English
Race and Religion	..	..	..	..	..
Address	..	..	..	..	..
Whether the candidate has Passed the Third Professional Examination	..				
Year or years if any in which the candidate has appeared for the Examination					

Date.....

Signature of the Candidate.

## Certificate.

I hereby certify that..... is a student of this college. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the college during the period..... after passing the Third Examination and is eligible to appear at the Examination. The required certificates are herewith attached.

Date.....

Signature of the Principal, Medical College.

## (7) B. E. (PART I) EXAMINATION.

Name	..	..	..	Urdu English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	Urdu English
Race and Religion	..	..	..	..
Address	..	..	..	..
Intermediate Examination or its equivalent, which the candidate has passed, date of passing and the optional subjects taken	..			
Year or years if any in which the candidate has appeared for the Examination	..			

Date.....

Signature of the Candidate.

## Certificate.

I hereby certify that..... is a student of this college. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the college during ..... and is eligible to appear at the Examination. The required certificates are herewith attached.

Date.....

Signature of the Principal, Engineering College.



## B. E. (PART II) EXAMINATION.

Name	..	..	..	{ Urdu { English
Date of birth and age at the time of submitting the application	..			
Father's name and occupation	..	..	..	{ Urdu { English
Race and Religion	..	..	..	..
Address	..	..	..	..
Whether the candidate has passed the B. E. (Part I) Examination, date of passing and the optional subjects taken				
Year or years if any in which the candidate has appeared for the Examination				
.. .. ..				

Date.....

*Signature of the Candidate.**Certificate.*

I hereby certify that.....is a student of this college. His character has been good and the facts mentioned in the application are correct. He has been a regular student of the college during .....after passing his B. E. (Part I) Examination.

Date.....

*Signature of the Principal, Engineering College.*

## (8) DIPLOMA IN EDUCATION EXAMINATION

Name	..	..	..	..	{ Urdu English
Date of birth and age at the time of submitting the application	..				
Father's name and occupation	..	..	..	..	{ Urdu English
Race and Religion	..	..	..	..	..
Address	..	..	..	..	..
B. A. Examination or its equivalent in which candidate Examination with the name of Date of Passing has passed, date of passing the Examination .. University					
Subjects	..	..	..	..	..
Year or years, if any in which the candidate has appeared for the Examination, with Roll No. and Centre .. ..					

Date.....

Signature of the Candidate.

*Certificate.*

I hereby certify that.....is a student of this college. His character has been good and that the facts mentioned in the application are correct. He has prosecuted a regular course of study in the college the prescribed period and that he is fit for the Examination.

Date.....

*Principal, O. T. College.*

This is to certify that.....has prosecuted a regular course of study for a period of..... academic years (From.....134 F.) after passing his.....Examination. He has attended .....lectures out of.....lectures delivered during the period..

He has completed the practical as well as the extra subject course (in which examination is not to be held).

Date.....

*Principal, O. T. College.*

## (ii) FORMS OF ATTENDANCE CERTIFICATES.

## (a) INTERMEDIATE EXAMINATION.

Certificate of attendance of.....in the Osmania University College during the years.....

Subject	No. of lectures in the College	No. of lectures attended
English	..	
Optionals	..	
(a)	..	
(b)	..	
(c)	..	
Theology of Morals	..	
I certify that.....has attended and satisfactorily completed the course of studies in Physics. <i>Dated</i> ..... <i>Professor.</i>		
I certify that.....has attended and satisfactorily completed the course of studies in Chemistry. <i>Dated</i> ..... <i>Professor.</i>		
I certify that.....has attended and satisfactorily completed the course of studies in Biology. <i>Dated</i> ..... <i>Professor.</i>		
I certify that.....'s conduct and progress have been satisfactorily and that he has completed the course of studies prescribed for the Intermediate Examination. <i>Dated</i> ..... <i>Principal.</i>		

## (b) B. A. OR B. .Sc. EXAMINATION.

Certificate of attendance of.....is the Osmania University College during the year.....

Subject	No. of lectures in the College	No. of lectures attended
English	..	
Optionals	..	
Theology of Morals	..	

I certify that.....has attended and satisfactorily completed the course of instruction in Physics.

Date.....

*Principal.*

I certify that.....'s conduct and progress have been satisfactory and that he has completed the course of studies prescribed for the B.A. Examination during the course of two academic years.

Date.....

*Principal.*

(c) M. A. OR M. SC. EXAMINATION.

This is to certify that.....has prosecuted a regular course of study in the Osmania University College for.....academic years (with effect from.....134.....to.....134 Fasli).

He has attended.....lectures out of.....lectures in.....(subject) given in the College during the said period.

Date.....

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*Principal.*

This is to certify that the Candidate has prosecuted a regular course in practical work in the Osmania University College Laboratory (with effect from.....134..... to.....134..... Fasli):

He has attended.....practical classes out of.....practical classes in.....(subject) given in the College Laboratory during the said period.

Date.....

*Principal.*

(d) LL.B. (PREVIOUS OR FINAL) EXAMINATIONS.

This is to certify that.....has prosecuted a regular course of study in the Osmania University  
College for.....academic years (with effect from.....134 to..... 134 Fasli).

He has attended.....lectures out.....lectures given in the College during the said period.

*Dated*.....

*Principal*

(c) M. B. B. S. FIRST PROFESSIONAL EXAMINATION.

This is to certify that.....has prosecuted a regular course of study in Anatomy including Embryology) of.....lectures extending over two long and short terms from 134 F. with demonstrations and dissections of the whole human body.

*Date*.....

*Professor of Anatomy.*

This is to certify that.....has prosecuted a regular course of study in Physiology of.....lectures extending over two long terms from 134 F. to 134 F.

*Date*.....

*Professor of Physiology.*

This is to certify that.....has attended in 134 F. a course in Practical Histology of.....meetings of two hours each extending over two short terms.

*Date*.....

*Professor of Practical Histology.*

This is to certify that.....has attended.....meetings of two hours each in Chemical Physiology and.....meetings of two hours each in experimental physiology.

*Date*.....

*Professor of Chemical Physiology.*



M. B. B. S.—SECOND PROFESSIONAL EXAMINATION.

This is to certify that.....has prosecuted a regular course of study in Materia Medica (including Therapeutics) of.....lectures extending over two long and short terms.

Date.....

*Professor of Materia Medica.*

This is to certify that.....has attended.....meetings of two hours each of Practical Pharmacy from 134 F. to 134 F.

Date.....

*Professor of Pharmacy.*

This is to certify that.....has attended a course of study in Pathology (including Bacteriology) of.....lectures extending over two long terms from 134 F.

Date.....

*Professor of Pathology.*

This is to certify that.....has attended.....meeting of two hours each in Practical Pathology from 134 F. to 134 F.

Dated.....

*Professor of Practical Pathology.*

This is to certify that.....has attended.....lecture of two hour's each of Bacteriology from 134 F. to 134 F.

Dated.....

*Professor of Bacteriology.*

M. B. B. S. THIRD PROFESSIONAL EXAMINATION.

This is to certify that.....has attended a course of study in Hygiene of.....lectures,  
(including Practical Demonstrations) and instruction in Vaccination extending over one long term 4 in  
134 F.

*Dated*.....

*Professor of Hygiene.*

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This is to certify that.....has attended a course of study in Medical Jurisprudence of.....  
lectures extending over one long term from 134 F. to 134 F. and has attended.....meetings of  
Post Mortem Examinations.

*Dated*.....

*Professor of Medical Jurisprudence.*

M. B. B. S. FOURTH PROFESSIONAL (FINAL) EXAMINATION.

This is to certify that.....has completed satisfactorily the following course of study :—

1. Two courses of Medicine of (     ) lectures each.

*Signature of Professor.*

2. Two courses of Clinical Medicine of (     ) lectures each.

*Signature of Professor.*

3. A course of Midwifery of (     ) lectures each.

*Signature of Professor.*

4. A course of Gynecology and Child diseases of (     ) lectures.

*Signature of Professor.*

5. Two courses of Surgery of (     ) lectures each.

*Signature of Professor.*

6. Two courses of Clinical Surgery of (     ) lectures each.

*Signature of Professor.*

7. A course of Operative Surgery of (       ) meeting of two hours each.

*Signature of Professor.*

8. A course of Applied Anatomy (Medical and Surgical of (       ) each.

*Signature of Professor.*

9. 30 lectures of Ophthalmology (with Clinical Instructions).

*Signature of Professor.*

## (f) B. E. EXAMINATIONS.

*Part I and Part II Examinations.*

This is to certify that.....has prosecuted a regular course of study in the Engineering College during the year 134 F. to 134 F., after passing the.....Examination, and out of.....lectures delivered at the College has attended.....lectures.

*Dated*.....

*Secretary, Engineering College.*

## (g) DIPLOMA IN EDUCATION EXAMINATION.

This is to certify that.....has prosecuted a regular course of study in the Osmania Training College after passing his B. A. Examination (with effect from.....134.....to.....

He has attended.....lectures out of.....lectures given on different subject in the College, which amounts to.....per cent.

*Dated*.....

*Professor.*

## (iii) FORM OF APPLICATION FOR REGISTRATION OF GRADUATES.

Name in full as entered in the Diploma	..	..
Father's name	..	..
Degree or degrees taken	..	Year or years of Convocation at which the Degree or Degrees were taken.
Present occupation	..	..
Permanent postal address	..	..
Whether he elects to pay an annual fee or a composition fee	..	..

Signature.....

## (IV) FORMS OF AGREEMENT AND SECURITY BONDS FOR UNIVERSITY LOAN FUND.

(1) *Form of Agreement.*

I.....s/o.....residing in.....hereby agree that I would repay the loan of B. G. Rs.....that would be advanced to me by His Exalted Highness the Nizam's Government in various instalments as would be required by me for purposes of study in foreign countries, in monthly instalments which shall be one-fourth of my salary in.....years, with interest at the rate of  $4\frac{1}{2}$  per cent. per annum.

In the event of my failing to pay either the principal amount or the interest as stated above, I shall be held personally responsible for the amount that might remain due by me, to recover which I hereby authorise His Exalted Highness the Nizam's Government in the Osmania University to take action against me in accordance with the Public Demands Recovery Act No. 4 of 1908 Faslî. I further agree to remain in Government service till the repayment of the full amount of the loan or for 5 years (whichever period be less). In the event of my failing to abide by this condition, the Government would be entitled to recover the full amount with compound interest at 8 per cent. in lumpsum.

In token of my above undertaking I sign this in the presence of two witnesses.

(2) *Security Bond.*

Whereas the Government Osmania University have agreed to advance to.....  
 son of.....a total loan of B. Rs.....in various instalments, each of which will  
 be considered as a separate loan for the purpose of studies in foreign countries in accordance with the  
 "University Loan Fund" rules. I.....as his surety hereby agree that the said borrower  
 shall repay the loan in.....years by monthly instalment which shall be one-fourth of his salary with  
 interest at the rate of  $4\frac{1}{2}$  per cent. per annum and in the event of the said borrower failing to repay the  
 full amount or any part of the loan with interest, I shall pay the same in full. In the event of my failing  
 to pay the said amount, the Government in the Osmania University would be entitled to recover it in accor-  
 dance with the Public Demands Recovery Act No. 4 of 1908 F. I further agree not to transfer or incumber  
 in any way my property of the value of.....consisting of .....of which I  
 am the sole owner till the repayment of the full amount of the loan.